

## CURRICULUM VITAE

**Gerald R. Grant Jr.**

Rochester, NY  
Cell - 585-739-4337  
E-Mail - [jerry@jrcc.com](mailto:jerry@jrcc.com)  
Website - <http://www.jrcc.com>



## PROFESSIONAL SUMMARY

Mr. Grant is an AccessData Certified Examiner, Cellebrite Certified Operator, Cellebrite Certified Physical Analyst, Cellebrite Certified Mobile Examiner, Cellebrite Certified Advanced Smartphone Analysis Examiner, Cellebrite Certified Advanced Smartphone Extraction Examiner, Cellebrite Certified Evidence Repair Technician - Forensics, Cellebrite Iron Python Certified, Cellebrite Chip-Off Forensics Certified, systems analyst, programmer and trainer with more than 25 years of experience involving digital forensics, cell site analysis, social site investigations, eDiscovery and litigation support. He has been involved in many state and federal cases and has been qualified as an expert.

He is currently an Independent Digital Forensics Investigator/Consultant, and an Investigator (Specializing in Digital Forensics) for the Western District of New York Federal Public Defender's Office. He was previously the Computer Systems Administrator for the NYW Federal Public Defender's Office, as well as the Acting Chief, National IT LAN Application and Policy Support Team for the Administrative Office of the United States Courts - Office of Defender Services. He oversees the NYW automation program and is involved in national IT/digital forensic support for the Federal Defender Organization.

He specializes in computer forensics, cell phone forensics, cell site analysis, e-mail analysis, social media investigations, eDiscovery, litigation support and training. He performs forensic investigations on digital evidence involved in State and Federal Cases. He is based out of the Western District of New York but travels frequently around the country. He is involved with many projects related to digital forensics and litigation support. He lectures frequently at national and local conferences and conducts independent and group training.

He is a graduate of Bryant and Stratton Business Institute with an AS Degree in computer programming. He is also the recipient of many certificates in forensics, specialized computer training and programming. He has extensive knowledge of digital forensics, computers, operating systems, mobile devices, and cell site analysis.

## EDUCATION

- **A.A.S.** - Bryant & Stratton Business Institute, Computer Programming

## PRE/POST EDUCATIONAL TRAINING/OTHER

- Computer Programming Course: B.O.C.E.S. Genesee County
- Computer Crime Seminar: Medaille College
- Yearly Training - Computer Forensics, Computer Automation, and Computer Related Litigation Support
- AccessData FTK (Forensic Tool Kit) BootCamp Course
- AccessData PRTK (Password Recovery Tool Kit) BootCamp Course
- AccessData Windows Forensics Course
- AccessData Certified Examiner (ACE)
- National Defender Investigator Association Training
- Regional Computer Forensics Lab "Capturing a Running Computer System"
- Regional Computer Forensics Lab "Decoding Digital Evidence"
- Regional Computer Forensics Lab "Digital Forensics and Social Media Evidence"
- Paraben Corporation "Mobile Training Level 3 - GPS & Cell Site Analysis"
- Cellebrite "Physical Analyzer - Advanced Decoding Techniques"
- Cellebrite "Password and User Lock Bypass"
- Cellebrite "Advanced Decoding Techniques"

- DFI "Host-based Forensics - DDoS Attack"
- Cyber Forensics 360 "Cellular Triangulation" (Cell Site Analysis)
- ViaForensics "Burner Phone Forensics"
- Guidance Software "Placing the Suspect Behind the Keyboard"
- Cellebrite "Mobile Forensics Fundamentals" (CMFF)
- Cellebrite "Certified Operator" (CCO)
- Cellebrite "Certified Physical Analyst" (CCPA)
- Cellebrite "UFED Cloud Analyzer - Unlock actionable intelligence from cloud data"
- Magnet Forensics "Mobile Chat & Social App Forensics"
- Guidance Software "Integrating GPS Data into Digital Investigations"
- Guidance Software "GPS Location Accuracy - Triangulation vs. Trilateration"
- Magnet Forensics "Evidence You Need for More Confessions, Plea Bargains and Convictions"
- Cellebrite "Certified Mobile Examiner" (CCME)
- Teel Technologies "Advanced Smartphone Forensics"
- Cellebrite "Physical Analyzer 5.0"
- AccessData/Binary Intelligence "JTAG & Chip-Off Mobile Forensics"
- Cellebrite "UFED Analytics Desktop"
- Magnet Forensics "Using Custom Artifacts and Dynamic App Finder to Investigate Mobile Chat Apps"
- Magnet Forensics "Taking the Mystery out of Android Marshmallow Analysis"
- Magnet Forensics "Methods for Parsing New Applications"
- Cellebrite "Overcoming the Challenges of Locked and Encrypted Mobile Devices"
- Magnet Forensics "Android Emulators"
- BlackBag Technologies "Advanced Windows Artifacts"
- Cellebrite "Advanced Smartphone Analysis" Certified Examiner (CASA)
- Magnet Forensics "Dig Deeper with AXIOM 1.1"
- Cellebrite "Fast-Track Your Investigations with Unique Analytic Engines"
- Magnet Forensics "The Good, the Bad, and the Useless: The Truth about Geolocation Data"
- Guidance Software "Overcoming Smartphone Forensics: Mobile Investigator"
- Magnet Forensics "Taking a Bite Out of Android's Tasty New Versions"
- Guidance Software "Uncovering Mobile App Evidence with EnCase Mobile Investigator"
- Magnet Forensics "Understanding Android Data Recovery in Forensic Investigations"
- Magnet Forensics "The Power of Integrated Digital Forensics"
- Magnet Forensics "AXIOM Cloud Preview"
- Magnet Forensics "Artifacts in the Cloud and the Impact on Forensics"
- Magnet Forensics "Connecting the Dots Between Artifacts and User Activity"
- AccessData "The Deep and Dark Web"
- Cellebrite "Discover Actionable Intelligence to Fight Child Exploitation"
- AccessData "How to Investigate Internet Artifacts"
- AccessData "Edge/Cortana Forensics"
- SANS/Magnet Forensics "Making IoT Relevant"
- AccessData "Forensic Analysis of the Windows Journaling Log"
- Paraben Corporation "6 Keys to Conducting Effective Smartphone Forensic Investigations"
- AccessData "How to Raise the Bar on Your Investigations"
- AccessData "macOS Forensics"
- AccessData "How to Use Advanced Searching Techniques"
- Cellebrite "Solve Your Case Faster with Evidence from the Social Media Public Domain"
- AccessData "Mobile Device Data on Computers"
- Guidance Software "Fighting Child Exploitation with Digital Forensics"
- AccessData "Detecting & Attacking TrueCrypt"
- AccessData "Basic Registry Analysis"
- Cellebrite "Challenges and Changes in the Use of Digital Evidence"
- AccessData "Windows Journal Analysis"
- Cellebrite "Access Mobile Device Evidence Faster Using Emergency Download Mode (EDL)"
- Magnet Forensics "Forensics in the Cloud: How to Conduct an Office 365 Investigation"
- AccessData "Dark Web"
- AccessData "Processing Mobile Evidence In FTK"
- Magnet Forensics "Mobile Trends, Tools and Methods"
- Cellebrite "Accessing Inaccessible Apps"
- Magnet Forensics "Mobile App Parsing – All About That Data"
- Cellebrite "Enhancing Investigations with The Internet of Things"
- Magnet Forensics "AXIOM Advanced Mobile Forensics - AX300" Course

- Magnet Forensics "Connecting Artifacts and Users to Prove Intellectual Property Theft"
- Magnet Forensics "iOS 11 And Android Nougat/Oreo – An In-Depth Look at The Latest Mobile OSes"
- SANS Institute "No Tool Fits All - Why Building a Solid Toolbox Matters"
- Magnet Forensics "Unlocking iOS 11's Gates with GrayKey and AXIOM"
- Cellebrite Certified "Advanced Smartphone Extraction" Examiner (CASE)
- Cellebrite Certified "Chip-Off Forensics" (CCOF)
- Magnet Forensics "Fraud, IP Theft, And an Intrusion: A Case Study with Gillware Digital Forensics"
- Cellebrite "Safely Extract Digital Evidence with Advanced EDL Methods"
- Cellebrite "The Convergence of Physical and Virtual Data for Faster Discovery of Evidence"
- Magnet Forensics "An In-Depth Look at Different Password Bypass Options"
- DME Forensics "Getting Started with DVR Examiner"
- Magnet Forensics "Apple's Tween Years: iOS' Maturation From 10 Through 11 And Into 12"
- Cellebrite "How to Incorporate Cloud Evidence into Your Investigations for Maximum Results"
- Magnet Forensics "Memory Analysis for Investigations of Fraud and Other Wrongdoing"
- Magnet Forensics "Hide, Seek, And Find: Memory Analysis for Fast Incident Response"
- Cellebrite "Incorporating Time Sequenced Video and Mobile Data into Case Timelines"
- BlackBag Technologies "Physical Decrypted Images from Macs with The T2 Chip"
- Cellebrite "Getting Ready for The Future of Digital Investigations: From Evidence to Intelligence"
- BlackBag Technologies "Finding Insider Threats: Digging Deeper"
- Magnet Forensics "macOS: Forensic Artifacts and Techniques That Are Essential for Mac Investigations"
- Cellebrite "Mastering the Mobile Device Challenge In eDiscovery"
- Cellebrite "Accessing the Inaccessible: Overcoming the Challenge of Encryption"
- Cellebrite "Accessing the Latest iOS & Android Devices for Investigations"
- Udemy "Micro-Soldering "The Full Curriculum"
- BlackBag Technologies "Windows 10 Activity Timeline: An Investigator's Gold Mine"
- Cellebrite "Accessing Encrypted Mobile Device Evidence Using EDL (Emergency Download)"
- Cellebrite "Fact or Fiction: What Do You Really Know About iOS 13"
- Cellebrite "Everything About Bootloaders"
- Hawk Analytics "Myths and Realities of Cell Site Coverage Areas"
- Hawk Analytics "6 Things Every Prosecutor Needs to Know About Cell Phone Records in Court"
- Hawk Analytics "4 Major Carrier Breakdowns - How to Interpret Your Returns"
- Cellebrite Certified "Evidence Repair Technician - Forensics" (CERT-F)
- BlackBag Technologies "Solving the Mystery Behind Imaging A Mac Computer"
- Hawk Analytics "Call Detail Records: Best Practices for Legal Requests"
- BlackBag Technologies "BlackLight/APOLLO: "Use Apple Pattern-Of-Life Data in Your Investigations"
- Cellebrite "Detecting Mobile Malware When Time Is of The Essence"
- BlackBag Technologies "Ask the Experts: A Deep Dive into Keychain and Spotlight Artifacts"
- Magnet Forensics "AXIOM Interactive Training"
- Cellebrite "Part 1 - Basic Setup and Kickstarting the Investigation"
- Cellebrite "Part 2 - Leveraging Key Capabilities to Maximize the Review Process"
- Cellebrite "Part 3 - Leveraging Key Insights to Dig Deeper in UFED Physical Analyzer"
- BlackBag Technologies "Catalina: A Voyage Through Apple's New Artifacts"
- Teel Technologies "Faraday Shielding in A Nutshell"
- Hawk Analytics "Tower Dumps: 3 Analysis Methods to Add Value to Your Case"
- BlackBag Technologies "Digital Investigations for Mac & Windows: A Forensic Workshop"
- PATCtech "Cellular Records Analysis and Mapping"
- SecurCube "Call Detail Record Analysis/Cell Site Analysis LV.1"
- Teel Technologies "How to Find That Elusive EDL Point"
- Basis Technology "Autopsy Basics and Hands-On"
- Magnet Forensics "Pattern of Life Analysis"
- Magnet Forensics "Reverse Engineering Android"
- BlackBag Technologies "Analyzing macOS with BlackLight's APOLLO Plugin"
- Teel Technologies "Preparing Memory Chips: A Look into Chip-Off"
- Magnet Forensics "Evolution of Ransomware"
- Magnet Forensics "Investigating with AXIOM"
- Magnet Forensics "Utilizing Timeline Analysis"
- Magnet Forensics "Jailbreaking iOS Devices: Checkra1n! + Magnet ACQUIRE"
- Hawk Analytics "Carrier Breakdown Series - Sprint Returns"
- Magnet Forensics "Not Your Father's Forensics"
- Teel Technologies "CipherTrace - Cryptocurrency Forensics"
- Magnet Forensics "Cryptocurrency Investigations and Follow the Transaction Trail"

- Magnet Forensics "macOS Forensics: The Next Level - Taming the T2 Chip & More"
- Magnet Forensics "Exploring Apple's macOS Operating System Artifacts"
- Magnet Forensics "Internet of Things Forensic Challenge"
- Teel Technologies "Updating iOS Firmware!"
- Magnet Forensics "Performing Linux Forensic Analysis and Why You Should Care"
- BlackBag Technologies "Digital Investigations for Mac & Windows: A Forensic Workshop 2"
- Hawk Analytics "Carrier Breakdown Series - Verizon Returns"
- BlackBag Technologies "Trust but Verify: Digital Artifact Edition"
- Hawk Analytics "Carrier Breakdown Series - T-Mobile Returns"
- Magnet Forensics "Thwarting Mac T-2 Encryption & SIP With Remote Acquisition"
- Magnet Forensics "AXIOM Examinations - AX200" Course
- Hawk Analytics "Carrier Breakdown Series - AT&T Returns"
- BlackBag Technologies "Physical Acquisition and Analysis of T2 Protected Macs"
- Hawk Analytics "Beyond the Map: 5 Ways to Take CDR Analysis to The Next Level"
- Magnet Forensics "Using File System Explorer in Magnet AXIOM"
- Cellebrite "Qualcomm Live Extractions"
- Hawk Analytics "Using Geo-Location OSINT Data to Further Your Investigations"
- Hawk Analytics "Cellular Technology, Mapping & Analysis Course"
- Cellebrite "Apple Diagnostic Logs - Phones and More"
- Magnet Forensics "Acquiring and Parsing Sysdiagnose Log Archives From iOS Devices In AXIOM"
- Hawk Analytics "The Importance of Using the Correct Cell Site List"
- Magnet Forensics "Tips and Tricks Knowledge© Is Power - Analyzing the KnowledgeC.db"
- Hawk Analytics "Myths and Realities of Cell Site Coverage Areas"
- Cellebrite "Iron Python" Certified
- Cellebrite "UFED Advanced Extractions Part 1: APK Downgrade File System Extraction"
- Hawk Analytics "Creating A Successful Cellular Analysis Report"
- Oxygen Forensics "Decrypting iTunes Backups"
- Magnet Forensics "Chromebook Acquisition"
- Oxygen Forensics "Documenting Drone Telemetry"
- Oxygen Forensics "Using the OxyAgent Overtly and Covertly"
- Oxygen Forensics "MediaTek Extraction with File Based Encryption"
- Magnet Forensics "Offline iOS Tracking and Remote Wiping"
- Oxygen Forensics "Oxygen Forensic Extractor Updates"
- Oxygen Forensics "Building a Picture Using Call Data Records"
- Oxygen Forensics "When an Android Phone is All You Have"
- Magnet Forensics "Watching the Watchers: Using Device Metrics for User Attribution"
- Compelson "Smartwatch Forensics"
- iPadRehab "Practical Board Repair and Microsoldering" Training
- Magnet Forensics "Unlocking iOS 17's Secrets: Exploring the Full File System"
- Exterro "FTK Core Training"
- Magnet Forensics "Logging La Vida Loca"
- Cellebrite "Inseyets & Premium"
- Magnet Forensics "AXIOM 8"
- LeadsOnline "CellHawk Training"
- Cellebrite "AI in Investigations"
- Magnet Forensics "Restoring the Past"
- Cellebrite "It's About Time: Mastering Timestamps"
- Magnet Forensics "Focusing in on Apps in Focus"
- Magnet Forensics "Investigating the Intent"
- Magnet Forensics "Mobile Forensic Images: Getting the Right Data"
- Magnet Forensics "Eyes on Eighteen: Exploring iOS 18"
- Magnet Forensics "Following the Money: Tracking Mobile Payment Artifacts"
- Exterro "Mobile Forensics: Alibi Maker or Alibi Breaker"
- Magnet Forensics "Overcoming Mobile Forensics Challenges in Workplace Investigations"
- Magnet Forensics "Split Personalities: Understanding Multiple User Accounts in Android"
- Magnet Forensics "ADB: It's Easy as ABC: Understanding the Power of ADB Commands"
- Cellebrite "Deep Dive into Facebook"
- Magnet Forensics "Unlocking DFIR: Free Resources for Efficient Triage and Acquisition"
- Magnet Forensics "Apples, Onions, and Ogres: Dealing with Layered iOS Data Structures"
- Magnet Forensics "Magnet Verify"
- Magnet Forensics "Mobile Forensics Solutions"
- Magnet Forensics "Rotten to the Core: Investigating iOS Stalkerware"

- Magnet Forensics "Keeping Secrets Within Hidden-Locked Mobile Apps"
- Magnet Forensics "Key Artifacts in Child Abduction-Enticement Case"
- Magnet Forensics "Sysdiagnose Logs 101"
- Magnet Forensics "macOS Lockdown Mode"
- Magnet Forensics "Uncovering the Unseen"
- Magnet Forensics "Discussing the Data Drop-Off"
- Magnet Forensics "Talking About Times: Deeper Diving File Timestamps"
- Teel Technology "Demystifying Outdoor DAS"
- Magnet Forensics "Uncover AI-Generated Material"
- Magnet Forensics "Aligning on Android Acquisitions"
- Magnet Forensics "Exploring Samsung's Secure Folder Feature"
- Magnet Forensics "Unlocking Mobile Insights for Traffic Investigations"
- Magnet Forensics "Baking Up Baklava: Taking a Look at what Android 16 is Cooking"
- Cellebrite "Accelerating Child Exploitation Investigations with NCMEC"
- Magnet Forensics "AI in Media Forensics"
- HTCIA "Assessing the Accuracy of iPhone GPS Data"
- Administrative Office of the US Courts "AI Becomes Surveillance"
- Magnet Forensics "Looking Closer at Locations"

## ACADEMIC AND PROFESSIONAL SKILLS / INTERESTS

- More than 25 years of experience with data extraction / computer forensics / mobile forensics
- Programming skills in multiple computer languages
- Web page design / development
- Computer repair / troubleshooting
- Experience in all aspects of personal computers
- Extensive knowledge of DOS and all versions of Windows Operating System
- Extensive knowledge and experience with popular software applications
- Extensive knowledge of computer hardware and configurations
- Extensive knowledge with the technical workings of computer hard drives
- Extensive knowledge of computer forensics, mobile forensics, and cell site analysis
- Lectured at several local and national conferences regarding file structures, computer forensics, mobile forensics, cell site analysis, data recovery, GPS, and other location information.
- Lectured on numerous technical subjects including DOS and Windows file systems, architecture and the boot process, DOS and Windows examination techniques and procedures, recovery of deleted files, date and time stamp definitions / alterations, recovering formatted disks, the process and problems in making duplicate copies of media, file type identification and the use of file viewing applications during examinations, archived files and compressed disks, data format conversion, and the examination of Windows swap and related files.
- Micro-Soldering processes & techniques
- Mobile device repair / troubleshooting
- Flasher Boxes / JTAG Boxes / ISP Boxes / Memory Programmers
- Advanced JTAG / ISP / Chip-Off processes and techniques
- Python Scripting/Programming

## PROFESSIONAL EXPERIENCE

**Digital Forensics Investigator/Consultant**, JR Computer Consulting, 1990 - Current. Independent Digital Forensics Investigator/Consultant. Primarily involved with computer forensics, cell phone forensics, cell site analysis and data recovery utilizing the latest techniques and software. Experienced in the latest computer and cell phone forensic tools including Magnet AXIOM, Magnet IEF, Forensic Tool Kit (FTK), EnCase, Cellebrite UFED (Universal Forensic Extraction Device), Oxygen Forensic Detective, Elcomsoft iOS Forensic Toolkit, Cellebrite Inspector, Cellebrite Digital Collector, Passware, Mobile Phone Examiner, Paraben Device Seizure, BitPIM, NetAnalysis, HstEx, Mount Image PRO, Event Log Explorer, Gargoyle Investigator, Aid4Mail, Forensic E-Mail Collector, VMWare, and many others.

**Investigator (Specializing in Digital Forensics)**, Federal Public Defender's Office, Western District of New York, 2010 - Current. Provides all computer forensics, cell phone forensics and cell site analysis for the Western District of New York Federal Defender Organization. Also provides all forensic support, as needed, for other FPD offices in the U.S. Provides computer forensics, cell phone forensics, cell site analysis and automation support for the CJA, (Criminal Justice Act), panel of lawyers on Federal Cases.

**Acting Chief, National IT LAN Application and Policy Support Team**, Office of Defender Services, Federal Public Defender's Office - Western District of New York, 1999 - 2007. Provided automation and computer forensics support/management for the entire Federal Defender Organization. Involved nationally in all factors involving automation equipment as it relates to the offices. Provided computer forensics, cell phone forensics, cell site analysis and automation support for the CJA, (Criminal Justice Act), panel of lawyers on Federal Cases Nationally. Set all national automation standards for the entire Federal Defender Program. Spoke at many national and local conferences involving forensics, technical, and legal subjects related to computers.

**Computer Systems Administrator**, Federal Public Defender's Office, Western District of New York, 1994 - 2010. Provided computer forensics, cell phone forensics, cell site analysis and all automation for the Western District of New York Federal Defender Organization. Involved locally in all factors involving automation equipment as it relates to the offices. Provided computer forensics, cell phone forensics, cell site analysis and automation support for the CJA (Criminal Justice Act), panel of lawyers on Federal Cases.

**Corporate Computer Sales**, CompuAdd Computers, 1988 - 1990. Involved with Major Corporate Accounts dealing with all factors of computer systems in the Western District of New York.

## PROFESSIONAL MEMBERSHIPS, HONORS AND AWARDS

Monroe County Bar Association

- 1999 Presidents Award for development of the MCBA Web Site

Administrative Office of the U.S. Courts - Office of Defender Services

- 2005 Recognition for Effort and Support of National E-Mail Project Team
- 2007 Recognition for Commitment and Accomplishments of National Work

## SEMINARS / TRAINING / LECTURES

| Date       | Seminar/Training                                                                           | Lecture Topic(s)                                                                                |
|------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 09/26/2001 | Monroe County Bar Association                                                              | Computers and Ethics: Security and Privacy Issues                                               |
| 10/30/2001 | Federal Public Defender's Office NYW - Federal Criminal Defense Practice Seminar           | Computer Enhanced Presentation of Evidence                                                      |
| 04/05/2002 | Greater Rochester Association of Women Attorneys                                           | Computers and Ethics: Security and Privacy Issues                                               |
| 08/12/2002 | Administrative Office of the U.S. Courts - ODS Training Branch - Law & Technology Workshop | Introduction to PowerPoint and Trial Director                                                   |
| 12/06/2002 | Federal Public Defender's Office NYW - Federal Criminal Defense Practice Seminar           | Update on Courtroom Technology                                                                  |
| 07/22/2003 | New York State Defenders Association                                                       | Computer Forensics in Child Pornography Cases                                                   |
| 09/22/2003 | Administrative Office of the U.S. Courts - ODS Training Branch - Law & Technology Workshop | Introduction to PowerPoint and Trial Director                                                   |
| 11/13/2003 | Western New York Chapter of The Women's Bar Association                                    | Ethics and Technology                                                                           |
| 11/15/2003 | New York State Defenders Association                                                       | Computers and Ethics: Security and Privacy Issues                                               |
| 06/30/2004 | Monroe County Bar Association                                                              | Obtaining and Working with Electronic Evidence                                                  |
| 09/01/2004 | Administrative Office of the U.S. Courts - ODS Training Branch - Law & Technology Workshop | Introduction to PowerPoint and Trial Director                                                   |
| 03/30/2005 | Federal Judicial Center Investigators and Paralegal Specialists Seminar                    | Computer Search Warrants: Fourth Amendment Issues and Litigation Strategies                     |
| 06/22/2005 | Administrative Office of the U.S. Courts - ODS Training Branch - Trial Advocacy Workshop   | Introduction to PowerPoint and Trial Director                                                   |
| 08/31/2005 | Administrative Office of the U.S. Courts - ODS Training Branch - Law & Technology Workshop | Introduction to PowerPoint and Trial Director                                                   |
| 09/07/2005 | Monroe County Bar Association                                                              | Overview of Computer Forensics                                                                  |
| 10/21/2005 | New York State Court of Claims                                                             | Legal Ethics & Technology - Computer Forensics                                                  |
| 04/19/2006 | Administrative Office of the U.S. Courts - ODS Training Branch - Law & Technology Workshop | Introduction to PowerPoint and Trial Director                                                   |
| 04/26/2006 | Federal Judicial Center Investigators and Paralegal Specialists Seminar                    | Technology and the Fourth Amendment: Current Issues in Criminal Litigation - Computer Forensics |
| 06/08/2006 | Monroe County Bar Association                                                              | Ethics and the Internet: A Technical View                                                       |

| Date       | Seminar/Training                                                                                                            | Lecture Topic(s)                                                                                                          |
|------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| 07/27/2006 | Administrative Office of the U.S. Courts - ODS Training Branch - Law & Technology Workshop                                  | Introduction to PowerPoint and Trial Director                                                                             |
| 09/07/2006 | Administrative Office of the U.S. Courts - ODS Training Branch - Complex Litigation Seminar                                 | Computer Search Warrants: Fourth Amendment Issues and Litigation Strategies                                               |
| 09/13/2006 | Administrative Office of the U.S. Courts - ODS Training Branch - Law & Technology Workshop                                  | Introduction to PowerPoint and Trial Director                                                                             |
| 09/21/2006 | National Defender Investigator Association                                                                                  | Technology and the Fourth Amendment: Current Issues in Criminal Litigation - Search Warrants / Computer Forensics         |
| 10/06/2006 | Southern Federal Defender Program - ALS - CJA Panel Training                                                                | Computer Forensics: How to Address Issues in Pornography Cases                                                            |
| 02/09/2007 | Administrative Office of the U.S. Courts - ODS Training Branch - National CJA Winning Strategies Seminar                    | Computer Forensics: Issues in Pornography Cases                                                                           |
| 04/19/2007 | Administrative Office of the U.S. Courts - ODS Training Branch - Law & Technology Workshop                                  | Introduction to PowerPoint and Trial Director                                                                             |
| 05/03/2007 | Federal Public Defender's Office PAE - CJA Panel Training                                                                   | Technology and the Fourth Amendment: Current Issues in Criminal Litigation                                                |
| 05/04/2007 | Federal Public Defender's Office NYW - Federal Criminal Defense Practice Seminar                                            | Technology and the Fourth Amendment: Current Issues in Criminal Litigation - Search Warrants / Computer Forensics         |
| 06/29/2007 | Federal Public Defender's Office SD/ND - Remote Seminar                                                                     | Computer Forensics / Cell Site Information / Cell Phone Forensics                                                         |
| 07/26/2007 | Administrative Office of the U.S. Courts - ODS Training Branch - Law & Technology Workshop                                  | Introduction to PowerPoint and Trial Director                                                                             |
| 08/28/2007 | Administrative Office of the U.S. Courts - ODS Training Branch - Law & Technology Workshop                                  | Introduction to PowerPoint and Trial Director                                                                             |
| 11/17/2007 | New York State Association of Criminal Defense Lawyers                                                                      | Computer Forensics: Technical Issues in Criminal Cases                                                                    |
| 11/30/2007 | Federal Public Defender's Office NYW - Federal Criminal Defense Practice Seminar                                            | Technology and the Fourth Amendment: Current Issues in Criminal Litigation - Cell Site Information / Cell Phone Forensics |
| 01/15/2008 | Digital Rochester - Knowledge Upgrade Series v18                                                                            | Getting the Evidence: Computer Forensics                                                                                  |
| 02/02/2008 | New York State Association of Criminal Defense Lawyers                                                                      | Computer Forensics / Cell Site Information / Cell Phone Forensics                                                         |
| 02/11/2008 | Rochester Institute of Technology                                                                                           | Forensic Investigation, Laws, and Technology                                                                              |
| 04/03/2008 | Judge Feldman's Chambers -Visitors from Russia                                                                              | Forensic Investigation, Information and Demonstration                                                                     |
| 04/23/2008 | WXOV AM Radio - New Rochelle, NY - Don't Worry Murray Show                                                                  | Computer Forensics / Cell Phone Forensics / Cell Site Analysis                                                            |
| 06/12/2008 | Administrative Office of the U.S. Courts - ODS Training Branch - National CJA Winning Strategies Seminar                    | Technology and the Law: Computer Forensics                                                                                |
| 07/21/2008 | New York State Defenders Association                                                                                        | Technology Issues in Criminal Defense (Computer and Cell Phone Forensics)                                                 |
| 04/06/2009 | Monroe County Bar Association                                                                                               | Computer Technology - Defending Child Enticement Cases - Social Sites / IM / Forensics                                    |
| 07/30/2009 | Judge Feldman's Chambers -Visitors from Russia                                                                              | Forensic Investigation, Information and Demonstration                                                                     |
| 10/10/2009 | Monroe County Public Defender's Office / New York State Defenders Association / Easton Thompson Kasperek & Shiffrin         | Technology Based Evidence: How to Find It and Use It to Your Advantage                                                    |
| 10/30/2009 | New York State Association of Criminal Defense Lawyers                                                                      | Computer Forensics / Cell Site Information / Cell Phone Forensics                                                         |
| 11/04/2009 | Monroe County Bar Association / Greater Rochester Association for Women Attorneys                                           | Cyberstalking and the Potential for Privacy Intrusion - the Electronic Way                                                |
| 02/11/2010 | Monroe County Public Defender's Office                                                                                      | Technology Based Evidence - Practicing in The New Age - Part 1                                                            |
| 02/19/2010 | Monroe County Public Defender's Office                                                                                      | Technology Based Evidence - Practicing in The New Age - Part 2                                                            |
| 04/24/2010 | New York State Defenders Association - Family Court Practitioners / Adult Representation in Family Court                    | Admissibility of text Messages, E-Mails, and Social Networking Sites                                                      |
| 07/22/2010 | Judge Feldman's Chambers -Visitors from Russia                                                                              | Forensic Investigation, Information and Demonstration                                                                     |
| 09/23/2010 | Administrative Office of the U.S. Courts - ODS Training Branch - National Techniques in Electronic Case Management Workshop | Introduction to Adobe Acrobat, ISYS Indexer, Lexis/Nexis CaseMap Suite                                                    |
| 10/13/2010 | Queens County Bar Association - CLE                                                                                         | Technology Based Evidence - Practicing in The New Age - Computer Forensics / Cell Phone Forensics / Cell Site Analysis    |
| 11/05/2010 | Federal Public Defender's Office NYW - Federal Criminal Defense Practice Seminar                                            | eDiscovery - Issues and Solutions for the Modern Case                                                                     |

| Date       | Seminar/Training                                                                                                            | Lecture Topic(s)                                                                                                                                                                  |
|------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01/20/2011 | Administrative Office of the U.S. Courts - ODS Training Branch - Law & Technology Workshop                                  | Introduction to PowerPoint and Trial Director                                                                                                                                     |
| 04/07/2011 | Federal Public Defender's Office TXW - El Paso CJA Seminar                                                                  | Investigation Tools "Technology & Litigation Based Evidence"                                                                                                                      |
| 09/22/2011 | Administrative Office of the U.S. Courts - ODS Training Branch - National Techniques in Electronic Case Management Workshop | Introduction to Adobe Acrobat, ISYS Indexer, Lexis/Nexis CaseMap Suite                                                                                                            |
| 10/29/2011 | NYSACDL - Annual Fall Syracuse CLE Seminar                                                                                  | Overview and Introduction to Electronic Evidence Presentation and Trial Preparation                                                                                               |
| 11/05/2011 | Annual El Paso Criminal Law Seminar                                                                                         | Investigation Tools "Technology & Litigation Based Evidence"                                                                                                                      |
| 11/19/2011 | NYSDA / Monroe County Public Defender - Defending Against Snitches & Using and Challenging Scientific Evidence Seminar      | Cell Site Analysis "What to Get, How to Get It, and How to Use It"                                                                                                                |
| 01/03/2012 | Administrative Office of the U.S. Courts - ODS Training Branch - National Techniques in Electronic Case Management Workshop | Introduction to Adobe Acrobat, ISYS Indexer, Lexis/Nexis CaseMap Suite                                                                                                            |
| 02/24/2012 | Legal Aid Society - CLE Training                                                                                            | Computer Forensics / Cell Phone Forensics / Cell Tower Analysis                                                                                                                   |
| 03/10/2012 | NYSDA Twenty-Sixth Annual Metropolitan New York Trainer                                                                     | Cell Site Analysis "What to Get, How to Get It, and How to Use It"                                                                                                                |
| 03/15/2012 | The Second Circuit Judicial Council and the Federal Defenders of New York Adobe Training CLE                                | Use of Adobe Acrobat to manage the discovery in small and medium size criminal cases                                                                                              |
| 04/19/2012 | National Defender Investigator Association Seminar                                                                          | Cell Phone Forensics & Cell Site Analysis                                                                                                                                         |
| 05/10/2012 | The Northern District of New York Federal Court Bar Association                                                             | Overview and Introduction to Electronic Evidence Presentation and Trial Preparation                                                                                               |
| 07/09/2012 | Federal Defenders of New York Case Study                                                                                    | Computer Forensics                                                                                                                                                                |
| 07/19/2012 | Administrative Office of the U.S. Courts - ODS Training Branch - Law & Technology Workshop                                  | Introduction to PowerPoint and Trial Director                                                                                                                                     |
| 09/13/2012 | Administrative Office of the U.S. Courts - ODS Training Branch - National Techniques in Electronic Case Management Workshop | Introduction to Adobe Acrobat, ISYS Indexer, Lexis/Nexis CaseMap Suite                                                                                                            |
| 11/02/2012 | Ceremonial Court - Buffalo, NY - Digital Forensic Evidence in Criminal Cases                                                | Computer Forensics                                                                                                                                                                |
| 11/08/2012 | New York State Defenders Association - eDiscovery Seminar                                                                   | Introduction to Adobe Acrobat, CaseMap, TimeMap, Trial Director, iPads in the Courtroom                                                                                           |
| 11/16/2012 | Federal Public Defender's Office NYW - Federal Criminal Defense Practice Seminar                                            | iPads in the Legal World, Courtroom Technology and Beyond                                                                                                                         |
| 01/03/2013 | Administrative Office of the U.S. Courts - ODS Training Branch - National Techniques in Electronic Case Management Workshop | Introduction to Adobe Acrobat, ISYS Indexer, Lexis/Nexis CaseMap Suite                                                                                                            |
| 02/12/2013 | Legal Aid Society - CLE Training                                                                                            | Cell Phone Forensics / Social Site Investigations                                                                                                                                 |
| 03/14/2013 | Cornell University Law School Lecture                                                                                       | Cell Phone & Computer Forensics / Social Site Investigations                                                                                                                      |
| 04/05/2013 | Legal Aid Society - CLE Training                                                                                            | Cell Phone & Computer Forensics / Cell Site Analysis / Phishing & Spoofing Technology                                                                                             |
| 04/10/2013 | Gilberti Stinziano Heintz & Smith PC - Training Seminar                                                                     | Introduction to eDiscovery, Adobe Acrobat, CaseMap, TimeMap, ISYS, PowerPoint and Trial Director                                                                                  |
| 07/22/2013 | New York State Defenders Association Annual Meeting & Conference                                                            | Forensics - CP Cases - P2P and Beyond / Social Media Investigations - The Next Trial Frontier                                                                                     |
| 08/09/2013 | Administrative Office of the U.S. Courts - ODS Training Branch - Multi-Track Federal Defense Seminar                        | The Digital Aspects of a CP Case and Using Experts / iPads, New Technology and Mobile Computing                                                                                   |
| 09/28/2013 | Oneida County Public Defender - 2013 Criminal Law Academy Seminar                                                           | Social Media - Understanding and Using in Cases (Live Investigation Demonstrations / Cell Phones - What These Devices Reveal About Us (Cell Phone Forensics / Cell Site Analysis) |
| 11/07/2013 | Office of The Wisconsin State Public Defender - 2013 Annual Criminal Defense Conference                                     | Cell Site Analysis / Computer Forensics                                                                                                                                           |
| 12/13/2013 | New York State Association of Criminal Defense Lawyers - Weapons for the Firefight 2013 CLE Seminar                         | Computer Forensics / Social Site Investigations                                                                                                                                   |
| 03/20/2014 | Cornell University Law School Lecture                                                                                       | Cell Phone Forensics / Computer Forensics / Cell Site Analysis                                                                                                                    |
| 06/12/2014 | Benjamin N. Cardozo School of Law - National Forensic Science College                                                       | Cell Phone Forensics / Cell Site Analysis                                                                                                                                         |
| 09/05/2014 | Legal Aid Society - Cell Site Analysis Training                                                                             | Cell Site Analysis - Hands-On Group Training                                                                                                                                      |
| 09/11/2014 | Nassau County Bar Association                                                                                               | Cell Phone Forensics / Cell Site Analysis                                                                                                                                         |



| Date       | Seminar/Training                                                                                                            | Lecture Topic(s)                                                                                    |
|------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 09/17/2014 | Administrative Office of the U.S. Courts - DSO Training Branch - National Techniques in Electronic Case Management Workshop | Introduction to Adobe Acrobat, dtSearch Indexer, Lexis/Nexis CaseMap Suite / Cell Site Analysis     |
| 09/27/2014 | Ontario County Public Defender / New York State Defenders Association - Investigator Training                               | Cell Phone Forensics / Cell Site Analysis                                                           |
| 10/09/2014 | Federal Public Defender's Office NYE/S - CJA Training                                                                       | Cell Phone Forensics / Cell Site Analysis                                                           |
| 10/22/2014 | Federal Public Defender's Office Atlanta - CJA Training                                                                     | Cell Phone Forensics / Cell Site Analysis                                                           |
| 02/25/2015 | Federal Public Defender's Office El Paso - CJA Training                                                                     | Cell Phone Forensics / Cell Site Analysis                                                           |
| 03/05/2015 | Administrative Office of the U.S. Courts - DSO Training Branch - National Techniques in Electronic Case Management Workshop | Introduction to Adobe Acrobat, dtSearch Indexer, Lexis/Nexis CaseMap Suite / Cell Site Analysis     |
| 03/12/2015 | Cornell University Law School Lecture                                                                                       | Cell Phone Forensics / Cell Site Analysis                                                           |
| 04/15/2015 | Federal Paralegal & Investigator Seminar / National Defender Investigator Association Seminar                               | Cell Site Analysis / Cell Phone Forensics                                                           |
| 04/25/2015 | NYSACDL Syracuse Spring CLE Seminar                                                                                         | Cell Phone Forensics                                                                                |
| 04/30/2015 | NACDL/Innocence Network Post Conviction Training                                                                            | Cell Site Analysis                                                                                  |
| 05/07/2015 | Connecticut Public Defender Service - Cell Phones - Science & the Law Seminar                                               | Cell Phone Forensics / Cell Site Analysis                                                           |
| 05/28/2015 | National Seminar for Federal Defenders                                                                                      | Cell Phone Forensics / Cell Site Analysis                                                           |
| 06/03/2015 | Monroe County Bar Association - Criminal Justice Section                                                                    | Cell Phone Forensics                                                                                |
| 06/05/2015 | Arkansas Association of Criminal Defense Lawyers - Annual Meeting & CLE                                                     | Computer Forensics / Cell Phone Forensics / Cell Site Analysis                                      |
| 06/12/2015 | Benjamin N. Cardozo School of Law - National Forensic Science College                                                       | Cell Phone Forensics / Cell Site Analysis                                                           |
| 06/18/2015 | Federal Public Defender's Office FLS - CJA Conference                                                                       | Cell Site Analysis                                                                                  |
| 07/09/2015 | US Courts NYW Intern Lecture/Training                                                                                       | Cell Phone Forensics                                                                                |
| 07/22/2015 | Administrative Office of the U.S. Courts - DSO National Computer Systems Administrator Seminar                              | Cell Site Analysis / Cell Phone Forensics                                                           |
| 09/11/2015 | National Defender Investigator Association - Forensic Science & Criminal Defense Investigations Seminar                     | Cell Site Analysis / Cell Phone Forensics                                                           |
| 10/29/2015 | Cornell University Law School Lecture                                                                                       | Cell Phone Forensics                                                                                |
| 01/08/2016 | Monroe County Bar Association - Family Law Section                                                                          | Social Media as Evidence / Cell Phone Forensics                                                     |
| 02/13/2016 | CACJ/CPDA Capital Case Defense Seminar                                                                                      | Cell Phone Forensics / Cell Site Analysis                                                           |
| 02/20/2016 | Federal Public Defender's Office Hawaii - CJA Training                                                                      | Cell Phone Forensics / Cell Site Analysis                                                           |
| 03/10/2016 | Administrative Office of the U.S. Courts - DSO Training Branch - National Techniques in Electronic Case Management Workshop | Introduction to Adobe Acrobat, dtSearch Indexer, Lexis/Nexis CaseMap Suite / Cell Site Analysis     |
| 03/18/2016 | NACDL - Taking the Fear out of Forensics Seminar                                                                            | Cell Phone Forensics / Cell Site Analysis                                                           |
| 04/15/2016 | NYSACDL - Cross to Kill 2016 Seminar                                                                                        | Cell Phone Forensics / Crossing a Cell Phone Expert                                                 |
| 05/03/2016 | Federal Defender Investigator & Paralegal Seminar                                                                           | Instructed Multiple Hands-On Workshops - Cell Phone Forensics & Reader Program / Cell Site Analysis |
| 05/19/2016 | NACDL - Making Sense of Science IX: Forensic Science & the Law Annual Seminar                                               | Cell Phone (Mobile) Forensics                                                                       |
| 06/10/2016 | Benjamin N. Cardozo School of Law - National Forensic Science College                                                       | Cell Phone Forensics / Cell Site Analysis                                                           |
| 09/22/2016 | Administrative Office of the U.S. Courts - DSO Training Branch - National Techniques in Electronic Case Management Workshop | Introduction to Adobe Acrobat, dtSearch Indexer, Lexis/Nexis CaseMap Suite / Cell Site Analysis     |
| 11/03/2016 | Cornell University Law School Lecture                                                                                       | Cell Phone Forensics                                                                                |
| 11/04/2016 | Federal Public Defender's Office NYW - Federal Criminal Defense Practice Seminar                                            | Cell Phone Forensics / How to Cross an Expert                                                       |
| 12/07/2016 | NYSDA / Legal Aid Society - 3 <sup>rd</sup> Public Defense Investigator Training: Principles & Practice                     | Cell Phone Forensics / Cell Site Analysis                                                           |
| 03/11/2017 | NYSDA / Legal Aid Society - 31 <sup>st</sup> Annual Metropolitan New York Trainer                                           | Cell Phone Forensics / How to Cross an Expert                                                       |
| 04/11/2017 | University at Buffalo School of Law Lecture                                                                                 | Mobile Forensics                                                                                    |
| 10/26/2017 | Cornell University Law School Lecture                                                                                       | Cell Phone Forensics / Cell Site Analysis                                                           |
| 10/31/2017 | Monroe County Bar Association - My Firm Got Hacked and Taken Hostage: Anatomy of a Cyberhacking                             | Ransomware / Backups                                                                                |
| 11/01/2017 | The College at Brockport, State University of New York                                                                      | Cell Phone Forensics / Cell Site Analysis                                                           |

| Date       | Seminar/Training                                                                                           | Lecture Topic(s)                                                                                                      |
|------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 11/15/2017 | The College at Brockport, State University of New York                                                     | Cell Phone Forensics / Cell Site Analysis ( <i>continued</i> )                                                        |
| 01/17/2018 | University at Buffalo School of Law Lecture                                                                | Expert Witness / Cell Phone Forensics / Cell Site Analysis                                                            |
| 02/27/2018 | The College at Brockport, State University of New York                                                     | Cell Phone Forensics / Cell Site Analysis                                                                             |
| 03/01/2018 | The College at Brockport, State University of New York                                                     | Cell Phone Forensics / Cell Site Analysis                                                                             |
| 03/22/2018 | Missouri State Public Defender Spring Training                                                             | Cell Phone Forensics / Cell Site Analysis                                                                             |
| 03/26/2018 | NAPD Investigator & Social Worker / Sentencing Advocates Conference                                        | Cell Phone Forensics / Cell Site Analysis                                                                             |
| 06/08/2018 | Benjamin N. Cardozo School of Law - National Forensic Science College                                      | Cell Phone Forensics / Cell Site Analysis / Location Information                                                      |
| 10/08/2018 | The College at Brockport, State University of New York                                                     | Cell Phone Forensics / Cell Site Analysis / Location Information                                                      |
| 10/18/2018 | The College at Brockport, State University of New York                                                     | Cell Phone Forensics / Cell Site Analysis / Location Information                                                      |
| 11/08/2018 | Cornell University Law School Lecture                                                                      | Cell Phone Forensics / Cell Site Analysis / Location Information                                                      |
| 01/16/2019 | University at Buffalo School of Law Lecture                                                                | Cell Phone Forensics / Cell Site Analysis / Location Information                                                      |
| 01/18/2019 | Cuyahoga County Public Defender's Office                                                                   | Cell Phone Forensics / Cell Site Analysis / Location Information                                                      |
| 02/17/2019 | CACJ/CPDA Capital Case Defense Seminar                                                                     | Cell Phone Forensics / Cell Site Analysis / Location Information                                                      |
| 04/04/2019 | FJC - Capital Habeas Unit (CHU) National Conference                                                        | Cell Phone Forensics / Cell Site Analysis / Location Information                                                      |
| 04/25/2019 | Mississippi Public Defenders Spring Seminar                                                                | Cell Phone Forensics / Cell Site Analysis / Location Information                                                      |
| 06/07/2019 | Benjamin N. Cardozo School of Law - National Forensic Science College                                      | Cell Phone Forensics / Cell Site Analysis / Location Information                                                      |
| 08/29/2019 | Federal Law Clerk Seminar - Western District of NY                                                         | Mobile Forensics / Location Information                                                                               |
| 09/26/2019 | NJOPD Forensic Science Conference                                                                          | Mobile Forensics / Location Information                                                                               |
| 10/24/2019 | Cornell University Law School Lecture (Courthouse)                                                         | Mobile Forensics / Cell Site Analysis / Location Information                                                          |
| 10/31/2019 | The College at Brockport, State University of New York                                                     | Mobile Forensics / Cell Site Analysis / Location Information                                                          |
| 01/15/2020 | University at Buffalo School of Law Lecture                                                                | Cell Phone Forensics / Cell Site Analysis / Location Information                                                      |
| 02/13/2020 | Federal Law Clerk Seminar - Western District of NY                                                         | Cell Site Analysis / Location Information                                                                             |
| 04/29/2020 | University at Buffalo School of Law Lecture (via Zoom)                                                     | Cell Phone Forensics / Cell Site Analysis / Other                                                                     |
| 09/02/2020 | Federal Public Defender's Office (CAC) (via Zoom)                                                          | Cell Site Analysis / Location Information                                                                             |
| 11/06/2020 | Office of The Wisconsin State Public Defender - 2020 Virtual Conference (via Zoom)                         | Mobile Forensics                                                                                                      |
| 01/20/2021 | Cardozo School of Law / In the Trenches: Understanding and Challenging Faulty Digital Forensics (via Zoom) | Panel Discussion: Mobile Forensics / Computer Forensics / Cell Site Analysis / Location Information                   |
| 02/18/2021 | NJOPD Forensic Science Conference (via Zoom)                                                               | Cell Phone Evidence: What You Need to Know                                                                            |
| 05/20/2021 | San Bernardino Public Defender Training (via Zoom)                                                         | Cell Phone Evidence: What You Need to Know                                                                            |
| 06/10/2021 | Benjamin N. Cardozo School of Law - National Forensic College (via Zoom)                                   | Cell Site Analysis                                                                                                    |
| 07/30/2021 | NV-FPD Investigator & Paralegal Training (via Zoom)                                                        | Cell Phone Evidence: What You Need to Know                                                                            |
| 08/06/2021 | Texas Criminal Defense Lawyers Association - Innocence for Lawyers Seminar                                 | Cell Phone Evidence: What You Need to Know                                                                            |
| 11/01/2021 | Cornell University Law School Lecture (Courthouse)                                                         | Mobile Forensics / Cell Site Analysis / Location Information                                                          |
| 03/04/2022 | Monroe County Bar Association (via Zoom)                                                                   | A Litigator's Guide to Understanding Digital Forensic Evidence: Mobile Forensics / Cell Site Analysis / Location Data |
| 06/13/2022 | Benjamin N. Cardozo School of Law - National Forensic College                                              | Mobile Forensics / Geolocation Information                                                                            |
| 08/16/2022 | Federal Defender Investigator & Paralegal Seminar                                                          | Mobile Device Forensics and Location Information                                                                      |
| 11/02/2022 | Cornell University Law School Lecture (Courthouse)                                                         | Mobile Forensics / Cell Site Analysis / Location Information                                                          |
| 02/17/2023 | Office of the Ohio Public Defender (via Zoom)                                                              | Mobile Forensics / Cell Site Analysis / Location Information                                                          |
| 02/20/2023 | St. John Fisher University                                                                                 | Mobile Forensics / Cell Site Analysis / Location Information                                                          |
| 06/16/2023 | Benjamin N. Cardozo School of Law - National Forensic College                                              | Mobile Forensics / Cell Site Analysis / Geolocation Information                                                       |
| 09/08/2023 | NYSACDL Central New York Fall Seminar                                                                      | Mobile Forensics / Cellebrite Reader Report                                                                           |
| 01/24/2024 | University at Buffalo School of Law Lecture                                                                | Mobile Forensics / Cell Site Analysis / Geolocation Information                                                       |
| 03/29/2024 | Salt Lake Legal Defender Association Training                                                              | Mobile Forensics / Cell Site Analysis / Geolocation Information                                                       |
| 05/14/2024 | Federal Defender Investigator & Paralegal Seminar                                                          | Mobile Forensics / Cell Site Analysis / Geolocation Information                                                       |
| 06/10/2024 | Benjamin N. Cardozo School of Law - National Forensic College                                              | Mobile Forensics / Cell Site Analysis / Geolocation Information                                                       |
| 08/01/2024 | Texas Criminal Defense Lawyers Association – Actual Innocence for Lawyers Seminar                          | Cell Phone Tracking Evidence                                                                                          |
| 09/26/2024 | Nassau County Bar Association – Dean's Hour Seminar                                                        | Cell Site Analysis                                                                                                    |

| Date       | Seminar/Training                                   | Lecture Topic(s)                                             |
|------------|----------------------------------------------------|--------------------------------------------------------------|
| 11/04/2024 | Cornell University Law School Lecture (Courthouse) | Mobile Forensics / Cell Site Analysis / Location Information |

*Last Updated - 09/15/2025*