

## Joseph Frusci, Ed.D.

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### EDUCATION

Northeastern University <b>Doctor of Education in Curriculum and Instruction</b> Dissertation: "Applying Reacting to the Past to Enhance Critical and Analytical Thinking Skills of Postsecondary Students" Chair: Chris Unger, Ed.D. Members: Kelly Conn, Ph.D., Richard Gid Powers, Ph.D.	<b>2019</b>
American Military University <b>Master of Science Certificate in Information Systems Security</b> Capstone: "Using Python Programming for Network and Security Automation"	<b>2014</b>
American Military University <b>Post-Baccalaureate Graduate Certificate in Teacher Education</b> Capstone: "How Student Driven Pedagogies Effectively Meet the Common Core State Standards in Social Studies"	<b>2012</b>
American University <b>Master of Arts in History</b> Concentration in American Economic History Thesis: "How George H.W. Bush Abandoned Reaganomics and Created a Budget Deal That Did Reduce the Deficit."	<b>2010</b>
American University <b>Bachelor of Arts</b> Areas of Concentration: Major in History, Minor in Economics.	<b>2007</b>

### PROFESSIONAL CERTIFICATIONS

Cisco Systems <b>Networking and Security</b> Certified Cisco Support Technician in Cybersecurity Certified Cisco Support Technician in Networking	<b>2023</b>
Microsoft <b>Azure Security, AI, and Data</b> Microsoft Certified: Azure Fundamentals Microsoft Certified: Azure AI Fundamentals Microsoft Certified: Azure Data Fundamentals Microsoft Certified: Azure Security, Compliance, and Identity Fundamentals	<b>2020</b>

### TEACHING EXPERIENCE

#### Current Appointments:

College of Staten Island, City University of New York <b>Adjunct Associate Professor</b> COR100 – US Issues, Ideas, and Institutions CSC221 – Networking and Security CSC223 – Cybersecurity Fundamentals	<b>2012 – Present</b>
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HST100 – Past and Present.  
 HST131 – U.S. History Since 1865.  
 HST200 – Introduction to Historical Method.  
 HST260 – First Encounters to Present, U.S. Survey Course.  
 HST344 – War and Society in Modern America.  
 HST798 – Preparation of Thesis Proposal.  
 HST799 – Thesis Tutorial Seminar  
 Developed syllabi and administered all grades.

Staten Island Technical High School, NYC DOE

**Computer Science and Cybersecurity Teacher**

**2015 - Present**

Advanced Placement Computer Science in Python  
 Cybersecurity and Cloud Computing with PowerShell and Linux  
 Developed syllabi and administered all grades.

**PROFESSIONAL EXPERIENCE**

**Former Appointments:**

RTech Healthcare Revenue Technologies Acquired by TransUnion

**Senior Systems and Security Engineer**

**2007 – 2014**

Managed enterprise IT infrastructure,  
 ensuring HIPAA/PCI DSS compliance for sensitive healthcare data.  
 Administered Windows Server 2003/2008/2012,  
 including Active Directory, DNS, DHCP, and Group Policy management.  
 Deployed and optimized virtualization solutions  
 using VMware ESXi and Microsoft Hyper-V.  
 Managed Cisco ASA firewalls, FortiGate appliances,  
 and implemented secure VPN solutions for remote access.  
 Conducted incident response, security audits,  
 and vulnerability assessments using tools like Nessus and Wireshark.  
 Oversaw enterprise backups and disaster recovery  
 with Symantec Backup Exec and Veeam.  
 Optimized SQL Server and Oracle database performance  
 supporting revenue cycle applications.  
 Delivered security awareness training to staff on phishing,  
 social engineering, and data protection best practices.  
 Documented config, security policies, and network diagrams for audit readiness.

Dell Technologies – Government Services Division

**Network Engineer**

**2005 – 2007**

Designed and implemented enterprise networks,  
 ensuring high availability and optimal performance  
 for public sector and defense clients ensuring compliance.  
 Configured Cisco routers/switches with VLANs,  
 ACLs, and QoS to manage network traffic and security.  
 Deployed and monitored firewalls (e.g., Cisco PIX/ASA)  
 and IDS systems for network protection.  
 Performed network troubleshooting and analysis  
 using tools like Wireshark and SolarWinds.  
 Managed secure remote access solutions through VPNs  
 for geographically dispersed teams.  
 Ensured hardware integrity and maintenance using Dell OpenManage.

Romagnolo and Cambio LLP.

**Systems Administrator**

**2005 – 2007**

Configured Active Directory and DFS in Windows Server 2003.

Managed LANs at two remote offices through VPN.

Managed Help Desk ticketing system

United States Army

**Information Technology Specialist**

**2000-2004**

Supported the installation, configuration, and maintenance of secure LAN/WAN networks for mission-critical military operations.

Managed and hardened Windows NT/2000 Server to ensure systems remained operational and secure.

Implemented network security controls, including firewalls, encryption protocols (DES, 3DES), and access controls, to protect sensitive military communications.

Diagnosed and resolved network and system issues, ensuring high availability and minimal downtime.

Conducted system upgrades, hardware replacements, and software patches to mitigate vulnerabilities and improve operational efficiency.

Provided technical training and documentation for team members on network security principles and troubleshooting best practices.

**UNIVERSITY SERVICE**

History Department at The College of Staten Island, CUNY

**Adolescent Education Advisor**

**2021 - Present**

Advises all History majors interested in becoming teachers.

Assists students in course selection for History major.

**Social Media Committee**

**2020 - Present**

Assists in content creation on social media platforms.

Assists in moderating online lectures for the department.

**PUBLICATIONS AND PAPERS**

*"Integrating Humanities into Cybersecurity Education: Enhancing Ethical, Historical, and Sociopolitical Understanding in Technical Training"*

Peer Reviewed Journal Article

Journal of Cybersecurity Education, Research & Practice

Kennesaw State University

DOI: [10.62915/2472-2707.1209](https://doi.org/10.62915/2472-2707.1209)

**2024**

Available: <https://bit.ly/3B17mPn>

*"Why Washington Matters: How General George Washington Saved The American Revolution"*

Peer Reviewed Journal Article

DOI: [10.18278/sshj.9.3.5](https://doi.org/10.18278/sshj.9.3.5)

**2020**

The Saber and Scroll Historical Journal

Westphalia Press. (New York, NY 2019).

Available: <https://bit.ly/3z1qVCN>

*"The United States and the Pirates of the Barbary Coast"*

Peer Reviewed Journal Article

DOI: [10.18278/sshj.8.2.7](https://doi.org/10.18278/sshj.8.2.7)**2019**

The Saber and Scroll Historical Journal

Westphalia Press. (New York, NY 2019).

Available: <https://bit.ly/3MPfowl>*"Applying Reacting to the Past to Enhance Critical and Analytical Thinking Skills of Postsecondary History/Social Studies Students"*

ProQuest Doctoral Dissertations and Theses

**2019**

(Order No. 13812045). Available from

Dissertations &amp; Theses @ Northeastern University.

ProQuest One Academic. (2271953845)

Retrieved from: <https://bit.ly/3TJRfJS>*"United States Issues, Ideas and Institutions"*

Peer Reviewed Textbook Chapter

**2015**

Contemporary US Economic History,

Reaganomics to the 2008 Financial Crisis, 1981-2008

McGraw Hill Education. (New York, NY 2015).

ISBN: 978-1-259-73252-2

## WORKS CITED IN

*"The New College Classroom"***2022**

Cathy N. Davidson, Christina Katopodis

Published Book

Harvard University Press. (Cambridge, MA 02138)

ISBN: 978-1-937584-20-7

Available: <https://bit.ly/3ewvLB1>*"The Future is Analog"***2022**

David Sax

Published Book

Public Affairs Press. (New York, NY)

ISBN: 978-1541701557

Available: <https://bit.ly/46SehFg>*"A Search for a Method to Improve Critical Thinking Skills in Social Studies Teaching: Writing to Learn."***2020**

Faith Kayaalp, Elif Meral, Ibrahim Fevzi.

Peer Reviewed Journal Article

DOI: [10.33403/rigeo.719222](https://doi.org/10.33403/rigeo.719222)

Review of International Geographical Education Online

Available: <https://dergipark.org.tr/tr/download/article-file/1270373>

*"Made in China 2025: China's Strategy for Becoming A Global High-Tech Superpower and its Implications For the U.S. Economy, National Security and Free Trade."* **2020**  
 Derek Levine, Ph.D.  
 Peer Reviewed Journal Article  
 DOI: <https://doi.org/10.5038/1944-0472.13.3.1833>  
 Journal of Strategic Security 13, no.3(2020): 1-16  
 Available: <https://scholarcommons.usf.edu/jss/vol13/iss3/1>

*"An American in the Basement"* **2013**  
 Amy Waters Yarsinske  
 Published Book  
 Trine Day Publications. (Walterville, OR 2013)  
 ISBN: 978-1-937584-20-7

#### OPINION/EDITORIALS

*"Ukraine and Israel are Illustrative of a Changing Global Landscape"* **2023**  
 Letter to the Editor  
 The Washington Post,  
 October 22, 2023  
 Retrieved from: <https://wapo.st/47ccg6B>

*"Bipartisan Cooperation is a Powerful Force for Good"* **2023**  
 Letter to the Editor  
 The Staten Island Advance,  
 February 26, 2023  
 Retrieved from: <https://bit.ly/3semMLL>

*"Republicans are Bailout Hypocrites"* **2020**  
 Letter to the Editor  
 The Staten Island Advance,  
 March 31, 2020  
 Retrieved from: <https://bit.ly/2OQd52x>

*"Bernie Sanders Isn't Actually a Socialist"* **2020**  
 Letter to the Editor  
 The Staten Island Advance,  
 March 21, 2020  
 Retrieved from: <https://bit.ly/3tNKHNm>

*"Bernie Sanders is No Socialist"* **2020**  
 Letter to the Editor  
 The Staten Island Advance,  
 March 2, 2020  
 Retrieved from: <https://bit.ly/3rdpgUe>

#### TEACHER CERTIFICATION

New York State Department of Education  
**Classroom Teacher Certificates**  
 Computer Science, K-12 Professional Certificate **2014 – Present**  
 Social Studies, 7-12 Professional Certificate

New York State Department of Education

**Career and Technology Education Certificates**

**2014 – Present**

Computer Technology, 7-12 Professional Certificate

Cybersecurity, 7-12 Professional Certificate

Electrical/Electronics, 7-12 Professional Certificate

**RELATED EXPERIENCE**

The Conference House Museum

**Board of Directors**

**2013 – 2015**

Served on the board as an education consultant and intermediary between schools and the association.

The Conference House Museum

**Docent**

**2010 – 2013**

Provided historical content for the historical association that was used in the welcome center, as well as education information for tours and pamphlets.

**ACADEMIC/PROFESSIONAL AWARDS & ACTIVITIES**

The Academy for Teachers Fellows in Artificial Intelligence

**2022**

UFT Outstanding Career and Technical Educator Award

**2022**

Transformative Learning in Humanities Research Grant Recipient

**2021**

**LECTURES/PRESENTATIONS**

“Machine Learning Mitigating Effects of Climate Change” Technology Lecture Series,  
College of Staten Island, CUNY.

**2023**

“Cybersecurity and America’s Infrastructure” Technology Lecture Series,  
College of Staten Island, CUNY.

**2019**

“Cyberwarfare in the 21<sup>st</sup> Century” Technology Lecture Series,  
College of Staten Island, CUNY.

**2018**

“Fiscal and Tax Policy History of the United States” Economics Lecture Series,  
College of Staten Island, CUNY.

**2017**

“United States as a Venture Capitalist” Election Lecture Series,  
College of Staten Island, CUNY.

**2016**

“Warfare and Society in Modern America” History Lecture Series,  
College of Staten Island, CUNY.

**2016**

“Causes and Effects of the Great Recession (2008)” Economics Lecture Series,  
College of Staten Island, CUNY.

**2015**

“Causes and Effects of the Great Depression” Economics Lecture Series,  
College of Staten Island, CUNY.

**2015**

“The Great Depression and the Great Recession” Economics Lecture Series,  
College of Staten Island, CUNY.

**2014**

“Government and the Market Economy” Economics Lecture Series,  
College of Staten Island, CUNY.

**2014**

“Contemporary Fiscal Policy” Economics Lecture Series,  
College of Staten Island, CUNY.

**2013**

“From Surpluses to Deficits – The Contemporary American Economy”,  
College of Staten Island, CUNY.

**2013**

“Origin of the American Revolution” American Revolution Lecture Series.  
College of Staten Island, CUNY.

**2013**

“The Fragility of the American Revolution” American Revolution Lecture Series.  
College of Staten Island, CUNY.

**2012**

"The Newburgh Conspiracy" American Revolution Lecture Series.  
College of Staten Island, CUNY.

**2012**

MEMBERSHIPS & AFFILIATIONS

Economic History Society  
Organizations of American Historians  
American Historical Association  
The New York Historical Society  
The Staten Island Historical Society  
The Conference House Museum  
Massachusetts Historical Society  
Computer Science Teachers Association  
Information Systems Security Association  
Cloud Security Alliance