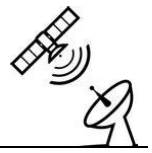


Thomas J. McAndrews III

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Aerospace Range Systems Engineer · Master RF Technician · Asset Manager

Bella Cucina, LLC., General Manager (Mar 2004 - Sep 2025)

- Designed and operated an entirely new business venture - Over 21 years and growing
- Devised temperature and humidity monitoring, logging and alerting systems averting costly repairs
- Developed database software for automated ordering and inventory control saving countless hours

Tybrin (Jacobs Engineering), Systems Engineer (Nov 2001 - Mar 2004)

- Principle engineer for NASA/DoD Enhanced Flight Termination System (EFTS) development program for use on all national and state ranges
- Developed system test plans, lead test execution, analyzed results and prepared test reports
- Selected as lead engineer for national frequency interference study. Designed test strategy and software resulting in identification of receiver shortfalls causing unintentional aerospace vehicle destruction

Spiral Technologies (Sparta), Telemetry Systems Engineer/Technician (Apr 1999 - Nov 2001)

- Created an entirely new documentation plan including cable identification for simplifying troubleshooting and providing easier access to technical manuals
- Redesigned tracking equipment configuration as well as preflight and periodic maintenance procedures for several range systems
- Troubleshoot and repaired telemetry tracking systems including antennas, receivers and data recorders

US Air Force, Airborne Instrumentation Systems Analyst (Apr 1979 - Apr 1999)

- As chief flight examiner, led aircrew operation and calibration of a complete telemetry tracking system during NASA rocket launches and DoD missile tests
- Determined optimal equipment configuration and guided troubleshooting efforts to correct equipment failures ensuring 100 percent mission success
- Selected as integration manager, overseeing all equipment modifications, upgrades and procedural changes
- Exceptional leadership abilities and technical knowledge resulted in selection as project supervisor for acquiring two unique airborne cruise missile tracking systems

Southern Illinois University Carbondale • Bachelor of Science • Industrial Technology • Jan 1992 - Dec 1998
Comm. College of The Air Force • Associate of Applied Science • Electronic Systems • Jan 1980 - Sep 1982

Languages:

Laboratory Virtual Instrument Engineering Workbench (LabVIEW) • MS Office products with Visual Basic
Object Pascal • Fortran • Unix • Assembly

Test Engineering • Troubleshooting • PC fabrication • Hardware and software installation • Project
Management • Employee training • Software development • Problem-solving • Clearance eligible

- Designed an encryption device - chosen for implementation on the International Space Station
- Tybrin President's Award for designing, testing and operating a mobile data and video tracking system used for NASA's X-38 flight recovery team
- Authored International Telemetry Conference white paper on Phase III of the EFTS study
- AF Command Outstanding Supervisor/Technician of the Year
- Instrumentation Technical School Honor Graduate