# THOMAS PARKS
Ocala, Florida
253.232.3091
thomaswparks@gmail.com
https://www.linkedin.com/in/tomwparks/
https://thomaswparks.github.io/

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## RADIO FREQUENCY PROFESSIONAL | INNOVATION LEADER | IT PROJECT MANAGER
### *Active Top Secret / SCI Clearance*

**Aspiring Software Engineer** and United States Air Force veteran with a demonstrated history of success in innovation, project development, and leadership. Skilled at transforming strategic goals into actionable plans and leading high-performing teams. Experienced in overseeing future planning initiatives, implementing advanced technologies, and guiding the development of plans and policies. Proven in managing tactical communications planning and collaborating with diverse organizations to ensure accurate mission support. Recognized for problem-solving abilities, such as addressing potential firewall breaches and outdated directives. An effective leader with experience in ensuring unit readiness, managing IT-related exercises, and overseeing Quality Assurance programs, leading to increased network uptime and overall mission success.

- Software Development Lifecycle
- Team Leader
- DevOps
- CI/CD
- Full-Stack
- Software Testing
- Network Infrastructure
- Record Management
- Personnel Management

## EDUCATION & CERTIFICATIONS

**Bachelor of Science (B.S.)** – Computer Science | Trident University | 2021 | *With Honors*
**Associate of Science (A.S.)** – Electronic Systems | Community College of the Air Force | 2017
**Security+ Certified** | CompTIA | 2022
**Certified Professional Innovator** | University of Michigan | 2022

## TECHNICAL COMPETENCIES

**Programming:** Java, SQL, HTML, JavaScript, CSS, Python, C#
**Software:** Microsoft Office 365, SharePoint, Access, Excel, Visual Studio, Eclipse, PyCharm, Git
**Networking:** LAN, WAN, VPN, Wireless, Switches, Routers, Wi-Fi
**Operating Systems:** Linux (Ubuntu, Debian, RedHat), Windows
**Radio Frequency Systems:** HF, VHF, UHF, SHF, AM/FM/PSK/FSK/BPSK/QPSK
**Electronics:** Component-Level Electronic Theory, Digital Circuits, Test Equipment, Soldering

## KEY SKILLS

**Full Stack Web Development** | Created an Inventory Management System (IMS), Web Application that allows users to nest items within larger items. IMS was created with Python, Django, SQLite, HTML, CSS, and JavaScript. Application used GitHub for version control and CI/CD: https://github.com/thomaswparks/IMS_WebApp_v1
**Innovation Expertise** | Solved an US Air Force-wide problem for Expeditionary Communications (XCOMM). Teamed with Microsoft and Cradle Point to build a cloud environment that allows XCOMM teams to leverage any available Internet Service Provider to connect customers to DoD Enterprise Classified and Unclassified data and voice services.
**IT Management Team Lead** | Managed an entire deployable domain worth $2.2M in support of operations in remote locations. Lead a team of 12 personnel and maintained 3 separate networks, providing 24/7 IT support for Remote Piloted Aircraft operations.

## PROFESSIONAL EXPERIENCE

**United States Air Force | Various Locations**
**Organizational Innovation Lead**                                    **Nov. 2021 – Present**
Developed comprehensive plans, programs, and strategic policies, ensuring alignment with the overall vision; translated strategic goals into actionable directives to organize, train, and equip a team of 489 professionals supporting various missions.

- Directed future IT planning initiatives and managed programs for a communications group, overseeing staff, facilities, and IT project management.

- o Conceptualized and spearheaded the development of a groundbreaking project adopted by the US Air Force to revolutionize XCOMM, seamlessly connecting edge networks to enterprise services through an Azure Virtual WAN connection and supercharging Joint All Domain Command and Control capabilities in a contested environment.
- Cultivated collaboration between the team and 40 commercial vendors, establishing valuable partnerships; advanced the interests of future IT initiatives within the Department of Defense (DoD), showcasing adept skills in industry engagement and strategic planning for IT projects.
- Oversaw planning and managing resources valued at $230M; facilitated the deployment of professionals across different teams, ensuring operational success and mission accomplishment.
- Directed the process for ensuring system authorization (Risk Management Framework), which involved evaluating security impacts and authorizing monitoring software; provided influential support for testing within the Department of the Air Force's Chief Architect Office, specifically the Edge Connect test during tactical exercises, which showcased proficiency in security and monitoring software.

**System Planning Team Leader**                                                          Nov. 2019 – Nov. 2021

Led a team of 7 military personnel and 2 civilians in a fast-paced operations center. Enabled the deployment of 504 individuals to 24 locations across 6 different areas of operation, showcasing strong leadership and coordination skills.

- Personally managed tactical network planning for 3 teams, oversaw resources valued at approximately $230M; provided strategic guidance, technical details, and site analysis to team leaders and deployed teams, ensuring thorough preparation for success.
  - o Collaborated with various organizations to coordinate and validate network connectivity requirements; collaborated with numerous teams to ensure accurate IT support for mission objectives.
- Developed creative solutions for deployed teams, taking a proactive approach to addressing challenges. Analyzed feedback and reports to identify areas for continuous improvement, demonstrating a commitment to efficiency.
- Validated upgraded IT System by collaborating with the Program Management Office and training center. Integrated 3 networks, enhancing network operations security for 95 US Air Force portable communications packages.
- Identified deficiencies in outdated Program Action Directive affecting mission support; developed a Command-and-Control fix action, realigning 8 tactical exercises yearly with air control teams.

**Radio Frequency Transmission Systems/Satellite Communications Lead**                  Aug. 2017 – Nov. 2019

Supervised a team of 4 and provided oversight for 20 personnel; maintained responsibility for installing and operating work center-assigned equipment valued at $23M.

- Conducted training, operation, repair, and inspection of equipment; documented actions on 36 Radio Frequency (RF) Transmission Systems deployable communications packages to support Higher Headquarters requests.
- Prevented a week-long communications outage by engineering a fix for Command, Control, Communications, and Computers Intelligence, Surveillance, and Reconnaissance (C4ISR) links. Configured 3 satellite communications terminals, restoring tactical networks in less than 24 hours without mission impact.
- Developed a Communications Security (COMSEC) restoration plan, deploying 2 personnel through global locations to retrieve secure keys; ensured network security for Remotely Piloted Aircraft (RPA) Anti-Terrorism (AT) missions.
- Authored a network outage contingency plan, coordinating with 3 organizations and establishing 4 network fail-safes. Deployed backups within 5 minutes with no mission impact.

**RF Transmissions Systems and Quality Assurance Supervisor**                            Aug. 2016 – Aug. 2017

Managed equipment evaluation, maintenance, and training initiatives for a team of 140 military and civilian personnel, overseeing the advancement of a $35M network and Command and Control systems that supported 6.9K training missions.

- Directed the maintenance inspections of the organization's IT infrastructure and ancillary equipment, influencing force development across 10 career fields and 11 work centers to enhance overall operational readiness.
- Oversaw the Executive Inspection Program, ensuring compliance for 14 team programs. Collaborated with the Inspector General to identify and resolve deficiencies for 8 teams, upholding high standards and continuity.
- Supervised unit readiness and provided technical oversight for contingency planning, contributed to global deployments and local training exercises, ensured preparedness for diverse operational scenarios.
- Led the development of a cyber exercise, crafted virus and phishing scenarios, and assessed responses. Strengthened the Air Force Information Network's (AFIN's) defense posture for a $17B weapon system.
- Established a cyber maintenance plan, defined priorities, and preventative maintenance inspection schedules. Inspected 209 assets, resulting in a 2% increase in network uptime and enabled Command and Control for 6.9K missions.
- Enhanced the Quality Assurance (QA) program by revising 87 Headquarters Checklists and assigned tasks for 123 members. Reduced errors by 69, contributing to a 'Highly Effective' Unit Efficiency Inspection execution score.