Michael Maye

Electronics Maintenance Supervisor

Skilled Maintenance Supervisor with 9+ years experience in software integration, testing, and maintenance on aircraft electronics and computer systems. Earned a B.A. in Applied Mathematics from Southern New Hampshire University. Currently pursuing an Undergraduate Certification in Computer Science and Programming at Colorado State University as well as a Computer Science Graduate program at the University of North Florida. Proficient in object-oriented programming languages, mathematical modeling, systems optimization, data analysis, statistical analysis, and data visualization. Experienced leading and mentoring peers and providing technical training. Committed to delivering quality results and fostering an environment of professional growth.

Patuxent River, MD, USA   (904) 446-8884

🌐 https://HarrowingPlesantries.com in https://linkedin.com/in/mvmaye ⌗ https://github.com/SeekerOfCause

Work Experience

Maintenance Supervisor • US Navy

Established efforts to identify trends, find discrepancies, and develop turnaround strategies for inventory shortfalls, resulting in 100% asset availability in alignment with end user demand and increased operational efficiency.

Trained team members on proper operation and maintenance of equipment to maintain consistent productivity levels, leading to improved equipment availability and increased productivity levels.

Monitored safety compliance to ensure adherence to strict standards, resulting in improved safety standards and reduced risk of harm to team members.

Implemented ongoing training and personal mentoring programs to minimize knowledge gaps and performance deficiencies, leading to improved team performance and productivity levels.

Monitored priorities and delegated tasks to meet or exceed project timelines, increasing asset availability and reduction of maintenance scheduling limitations.

Managed asset control with program managers and logistics specialists to optimize asset availability across all entities, resulting in reduced inventory shortfalls and saving $1.4M in unneeded acquisitions.

August 2020 - Present

Support Equipment Manager • US Navy

Monitored equipment status and inventory to maintain 100% accountability of 21, 740 equipment items valued at $21M, improving asset management and inventory transparency.

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January 2019 - August 2020

Avionics Technician • US Navy

Performed scheduled and unscheduled inspections to ensure flight readiness of aircraft, improving aircraft readiness and preventing risks of operational use.

Completed preventive and corrective maintenance of aircraft electronics and mission systems, increasing asset availability and reducing replacement costs.

Conducted extensive research and gathered information from multiple sources to present comprehensive results, utilizing agile methodologies, enabling stakeholders to make informed decisions based on accurate data and analysis.

Successfully executed technology implementation projects, including software testing and integration, with minimal downtimes and operational disruptions, improving operational efficiency and reducing production delay related costs.

Assessed system hardware and software, including database management protocols, and suggested modifications to reduce lag time and improve overall performance, greatly improving system performance and reducing lag time.

Performed installation, maintenance, and repair of complex internal computer hardware and various software applications to 23 mission-critical systems, improving system availability to end users and increasing productivity levels.

March 2014 - January 2019

Education

2023 - 2023

Colorado State University

Computer Science Certificate Program

- Programming fundamentals, including programming paradigms and data structures.
- Algorithms and complexity analysis.
- Object-oriented programming and design patterns.
- Software testing and quality assurance.
- Database design and management.
- Software architecture and design principles.
- Web development, including front-end and back-end development.
- Mobile app development for Android and iOS platforms.
- Artificial intelligence and machine learning.
- Security and privacy in software development.
- Agile software development methodologies and project management.

2020 - 2023

Southern New Hampshire University

B.A. Applied Mathematics

- Mathematical modeling and simulation.
- Numerical methods for solving equations and systems of equations.
- Optimization and linear programming.
- Probability and statistics, including statistical inference and experimental design.
- Machine learning and data analysis.
- Differential equations and partial differential equations.
- Graph theory and network analysis.
- Computational geometry and topology.
- Cryptography and coding theory.
- High-performance computing and parallel computing.

Skills

- Critical Thinking
- Problem Solving
- Troubleshooting
- Team Dynamics

- Cloud Architecture
- Agile Development
- Software Development Life Cycle

- Data Analysis
- SQL/NoSQL
- Statistical Analysis and Optimization Modeling

- JavaScript
- Java
- Python
- C#