Miles DeWaele

https://mdewaele25.github.io/

Saint Louis, Missouri

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Professional Summary

Highly ambitious professional with 1.5 years of engineering experience and several leadership positions. Organized and diligent individual with the ability to communicate effectively. Seeking to make meaningful contributions in an organization that fosters a progressive, collaborative and results driven work environment/culture.

Skills

- Critical Thinking
- Innovation
- Leading Teams
- Collaboration
- Project Management
- Problem-solving

Technical Skills:

Microsoft Office, C/C++, Bash, Java, Matlab, Python, Jira, GMAT, XFLR, CATIA, AutoCAD, Kali Linux, Ubuntu, Windows

Education

Purdue University
West Lafayette, IN
May 2021

Bachelor of Science:
Aeronautical and Astronautical Engineering

Minor Computer Science

EXPERIENCE

Aircraft Integration Engineer   (August 2021 – Present)
The Boeing Company
• Supported integration of Cruise Missiles onto aircraft and other platforms
• Designed over 40 complex electrical systems in AutoCAD Electrical that passed inspection and performed successfully in a live test environment
• Programmed over 10 algorithms in Python to optimize and enhance robustness of less efficient procedures
• Collaborated with engineers from every technical department to write detailed Test Plans and Procedures
• Presented technical documents at Design Reviews and other large-scale conferences
• Adopted leadership responsibilities regarding design, procurement, and fabrication of missile equipment
• Led ESIL test events to validate operational functionality of both Cruise Missile hardware/software and Aircraft hardware/software
• Solved complex reverse-engineering problems to modernize legacy software and hardware for future use
• Promoted digital engineering to drive first-time quality and robustness in all facets of work scope
• Operated sucessfully in a remote and hybrid work environment

Software Engineer   (July – August 2020)
Kranze Technology Solutions
• Performed penetration testing on Department of Defense and Air Force Research Laboratory communication software
• Programmed multiple scripts to automate port scanning and webserver package upload
• Collaborated with dev ops and software engineers to integrate attack vectors

PROFESSIONAL MEMBERSHIP

- American Institute of Aeronautics and Astronautics   (2018 – Present)
- Purdue Society of Professional Engineers   (2017 – Present)

References upon request