

Miles DeWaele

<https://mdewaele25.github.io/>



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Professional Summary

Highly ambitious professional with 3 engineering internship experiences 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
- Innovative
- Leading Teams
- Collaboration
- Project Management
- Problem-solving
- Systems Integration

Technical Skills:

C/C++, Bash, Java, Matlab, Python, GMAT, XFLR, CATIA, Autodesk, Kali Linux, Ubuntu

Education

Purdue University

West Lafayette, IN

May 2021

Bachelor of Science:

Aeronautical and
Astronautical Engineering

Minor Computer Science

EXPERIENCE

Software Engineer Intern (July – August 2020)

Kranze Technology Solutions

- Performed penetration testing on KTS's main product line to discover vulnerabilities and exploits
- Programmed multiple scripts regarding ports/enumeration, web servers, and password manipulation
- Collaborated with dev ops and software/systems engineers to integrate attack vectors

Manufacturing Engineer Intern (May – June 2019)

Robert Weisheit Co.

- Optimized 1000+ aerospace parts for manufacturing utilizing industrial machinery
- Implemented algorithm integration to manufacture custom parts using custom machine code
- Assured quality to specifications using a CMM and various measurement instruments

City Engineer Intern (May – August 2018)

Roselle Public Works

- Supported Roselle's engineering team and assisted in multiple city projects
- Led large-scale projects that were successfully implemented into Roselle's infrastructure
- Integrated GIS software to create project-specific maps that were institutionalized into the organization's operations

LEADERSHIP

- Project Manager of Purdue University Rube Goldberg (August 2017 – Present)
- Boiler Student Network Mentor (August 2019 – May 2020)

PROFESSIONAL MEMBERSHIP

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

References upon request