
Daniel Mason

ALTAMONTE SPRINGS, FL 32701

(813) 528-6550 | daniel.j.msn@gmail.com | <https://github.com/Daniel-J-Mason>

Professional Summary

Mechanical Engineer with 5 years of experience in a fast-paced production environment. 2 years of software development skills with a passion for Java and Linux. Seeking to transition the technical-adjacent skills of engineering to full time software development.

Skills

- Programming Languages: Java, Python
- Java-Specific: Java core, JavaFX, Spring boot, Maven
- Source and Version Control: Git, GitHub, GitLab
- Web Servers: Tomcat
- Databases: MariaDB, PostgreSQL
- CI/CD: GitLab Pipelines
- Virtual Environments: HomeLab, Proxmox, Ubuntu Servers, various Linux Desktop Distributions
- Containerization: Docker
- Strong Communication and Interpersonal Skills

Work History

Rev Group Inc.

Mechanical Engineer 2 | Orlando, FL | March 2018 - Current

- Proposed, designed, and implemented a custom JavaFX desktop application for the engineering department to compile all engineering-related files on the network to be searched in one place. Additional features: ability to find all trucks containing parts, part family tables, search histories.
- Created custom quality-check python scripts to eliminate transcription errors.
- Designed over 300 ambulance exteriors across six independent brands for body fabrication in a fast-paced environment.
- Peer reviewed final release packages to ensure design quality prior to production start.
- Provided mentorship to several junior engineers through technical guidance, peer review, and hands-on training.
- Collaborated with sales, production, and other engineering departments to allow for proper planning and design.
- Provided solutions to critical production issues through hands-on analysis of ambulances at all stages of the production line.
- Contributed to improvements on ISO controlled engineering documents such as review documentation and brand design standards.
- Released several Engineering Change Notices to reduce annual cost and improve on brand design.

Education

Bachelor of Science Mechanical Engineering

University of Central Florida

Orlando FL | December 2017

Projects

University of Central Florida BAJA SAE

Machinist | Orlando, FL | October 2015 - December 2017

- Manufactured a wide array of vehicle components
- 2 years of lathe experience
- 6 months of mill experience
- Other machines include: bench grinder, drill press, and pneumatic horizontal band saw