James McBride

San Antonio, TX

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PROFESSIONAL SUMMARY

Energetic software development student, with a mechanical engineering background and several years of problem solving experience. Switching to focusing solely on software has re-ignited my passion to design and develop new projects, and keeps me excited to learn new technologies every day. I know my project management background and quick-learning ability will allow me to succeed from day one.

SKILLS

- HTML
- CSS
- JavaScript
- BootStrap
- VCS with Git
- Paired Programming
- Thymeleaf

- Test-Driven Development
- Java SE
- MySQL
- Spring Boot Framework
- JQuery
- Object-Oriented Programming
- Java EE (Servlets, JSP)

WORK HISTORY

DESIGN ENGINEER | 06/2019 to 10/2020
Toyota Motors Manufacturing Texas - San Antonio, TX

- Worked with Toyota's assembly maintenance group to assist in designing improvements for assembly tooling (both long term projects and daily maintenance), and developing the CAD models and drawings.
- Collaborated with the assembly team to improve proposed designs, develop models and drawings, and request quotes from fabricators.
- These projects involve collaborating with the assembly maintenance team members to ensure that the finished product is easily assembled, ergonomic, maintainable, and cost efficient.

PRODUCT ENGINEER | 06/2017 to 06/2019
Cosma International, Magna International - Troy, MI

- Worked with manufacturing divisions to develop and improve customer-proposed designs during the quoting process. Focus was on meeting customer mass/strength targets, improving design manufacturability, and minimizing costs.

- Developed air-suspension reservoir design using innovative manufacturing process, allowing Chrysler to achieve their strength and packaging targets. Effort resulted in being named patent holder, leading directly to prototype and production program award.
- Worked with General Motors and Cosma's manufacturing facilities to track current production, and successfully launch additional variants and production lines.
- Collaborated with a team of dimensional, welding, and manufacturing experts throughout the program development to implement design changes: updated CAD models and GD&T drawings, tracked tooling costs, revised DFMEA, and achieved customer approvals.
- Personally monitored engineering-responsible global program producing upwards of 500,000 rear suspensions cradles a year.
- Hosted weekly meeting with global team to track manufacturing feedback, pending design changes, validation of new production facilities, and upcoming program milestones.

EDUCATION

Codeup - San Antonio, TX
Expected in 05/2021
A fully-immersive, project-based, and intensive 22-week full-stack Java career accelerator that provides students with 670+ hours of expert instruction in software development.

University Of Louisiana - Lafayette | Bachelor of Science
Mechanical Engineering, Engineering
GPA: 3.87

DEVELOPMENT PROJECTS

Coffee Company Website Project
Worked in pair-programming to develop an interactive website that displays and manipulates brands of coffee. Bootstrap was used to format the page, and javascript was used to manipulate the page as multiple forms were interacted.

Connect Four Simulator
Personal project, used jQuery to simplify javascript's interaction with HTML elements. Includes both two-player mode with a friend locally, and single player vs. the computer.