James McBride

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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. With strong technical skills and a background in project management, I look forward to tackling complex projects for my future employer.

TECHNICAL SKILLS

- HTML - CSS - JavaScript - BootStrap	- Paired Programming - Thymeleaf - Test-Driven Development	- Java SE - MySQL - Spring Boot Framework - JQuery	- Object-Oriented Programming - Java EE (Servlets, JSP) - VCS with Git

DEVELOPMENT PROJECTS

Movie Collection Website

Worked in pair-programming to develop an interactive website allowing users to add/edit movies to the page. Movie Database API was used to autofill user's input, and Bootstrap was used to generate cards and tabs.

Connect Four Simulator

Utilized jQuery to simplify interaction with DOM, and used javascript algorithm to manipulate an array of potential computer moves, making the computer competitive and preventing it from being predictable.

PROFESSIONAL EXPERIENCE

Toyota Motors Manufacturing Texas - San Antonio, TX

DESIGN ENGINEER | 06/2019 to 10/2020

- Collaborated with the assembly team in a fast-paced design environment to develop safety or production critical line changes.
- Given a 48 hour window to analyze customer requirements, design assembly changes, create drawings, and work with fabrication-shop to build & install assemblies.

Cosma International, Magna International - Troy, MI

PRODUCT ENGINEER | 06/2017 to 06/2019

- Collaborated with manufacturing divisions to improve Chrysler/GM proposed designs during the quoting process, and then managed the projects from design development through production start.
- Project manager for a global program producing upwards of 500,000 rear suspensions cradles annually.
- Developed air-suspension reservoir design using innovative manufacturing processes, resulting in being named patent holder, and leading directly to being awarded 100,000 annual production volume.

EDUCATION

Codeup   2021
Certificate of Completion

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   2017
Bachelor of Science | Mechanical Engineering

GPA: 3.87