STEPHEN KAY

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○ kaystep

Skills

TECHNICAL SKILLS AND FRAMEWORKS:

Web Development

Linux/Bash Command Line Interfaces

SQL

JavaScript

Python

Git and Github

HTML5/CSS3

Object Oriented Programming

Java

Education

University of Colorado Boulder: School of Engineering
Bachelor's of Science: Computer Science 2019

Employment

Ford Motor Company:
Software Engineer

Dearborn, MI
June 2019 to Current

- Staff software engineer working on internal employee applications for 1000s of potential users and interacting with internal stakeholders at Ford to drive user valued features
- Documented processes necessary for future engineers to easily be able to understand our applications work flows and how to add new resources to the applications. This was a process that used to take 1-2 weeks and now can be done in 1-2 hours.
- Worked on creating application pipelines for continuous web application deployments that were database intensive, and significantly improved downtime and application performance with these deployments
- Developed multiple web applications and micro-services with Java, Javascript, and PCF deployments
- Helped design, debug, and architect micro-service pattern implementations for our teams web-apps
- Enrolled and finished personal development courses in clean code craftsmanship and PCF cloud hosting and distributed services
- Daily relational database work using Microsoft SQL Server

Alteryx Inc:
Software Engineering Intern - Data Connectors Team

Broomfield, CO
Sept. 2018 to Dec. 2018

Main Project: User Interface Redesign

- Helped lead the new code integration/review process for the project with Git and Gitlab as the team was previously using SVN for their source control
- Performed daily project architecture planning with fellow developers to properly integrate React into the team's project.
- Employed Jest/Enzyme in order to properly test new React components

Other Responsibilities:

- Taking user reported bugs and finding an optimal solution in order to maintain high value user contracts
- Primarily involved data parsing and manipulation with C++

GoGo Business Aviation:
Software Engineering Intern - Vision Team

Broomfield, CO
June 2018 to Sept. 2018

Backend:

- Work on a Java application to collect government required plane data

Frontend:

- Using Javascript and React to render front end data for Airplane's map services

Projects

Personal Website: https://kaystep.github.io/

- Personal website created to practice web hosting and web design

NBA Season Statistic Analyzer:

Current

- Created a Jupyter notebook in order to leverage the analytic power of Python and the Numpy and Pandas Data Science libraries to perform data analysis on past NBA seasons
- Also leveraged SQL queries against my notebook to provide additional insight into the data
- This project was done in order to become more familiar with basic data science techniques and the Python programming language