Bin Li

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OBJECTIVE

Bridge the gap between software development and operation with DevOps and automation

EDUCATION

B.S. IN COMPUTER SCIENCE
COLORADO STATE UNIVERSITY |
2023-2024
GPA: 3.55

ASSOCIATE IN SCIENCE
IRVINE VALLEY COLLEGE |
2020-2022
GPA: 3.93

IOS ACCELERATOR BOOTCAMP
KODECO INC | SPRING 2023

• Learning iOS development allows me to shift to Android development smoothly if necessary

COURSEWORK

JAVA PROGRAMMING
PYTHON PROGRAMMING
SOFTWARE DEVELOPMENT WITH C++
OPERATING SYSTEM
SOFTWARE ENGINEERING
DATABASE SYSTEMS | IN PROGRESS
INTRODUCTION TO DISTRIBUTED
SYSTEMS | IN PROGRESS

MY TECH STACK

• Git, GitLab, cmake, bash scripting, Linux commands
• JavaScript (advanced), NodeJS, Express, Angular, ReactJS, Redux
• Python (beginner-level), Java (intermediate-level), C++ (intermediate-level)
• AWS, Firebase, Docker
• JUnit, React testing library
• UDP, TCP, HTTP and Socket programming using Socket.IO

EXPERIENCE

- Mentored local community college students coding. Mentoring prompts me to consider how to explain techs and knowledge to others. Moreover, I realized the importance of teaching students to explore new knowledge and solve problems independently.

- Proactive problem solver and learner. I am not only a computer science student but a self-learner that leverages online resources. Whenever I encounter problems, I keep optimizing my search, learn, and solve it; besides, active at online tutorial channels and websites, I figure out whatever tech is most relevant to my role and then learn it in advance.

PROJECTS

TRIP SCHEDULER WEBSITE | REACT| JAVA

- I built the geographic trip scheduler web site as part of a team using scrum methodology. For each code change, I create an issue, feature branch, pull request, and eventually get my PR merged.

SPACE LAUNCH CONTROL WEBSITE | EXPRESS| MONGODB

- I built the back end of the self-initiated project. It reads real NASA data from a csv file and combines it with SpaceX API to build a space launch system. Beside server and database, I also tested API, built pipelines in GitHub Action, created Docker image, and deployed it on AWS. Website Link

GITLAB-CI-PROJECT | GITLAB | AWS | DOCKER

- In this self-initiated project, I edit the yml file to create pipelines and deploy a static web to AWS S3 programmatically. Repo Link

ITERATION-PROGRAM | C++

- In the final project of the Software Development with C++ course, I wrote a custom iterator of a list of instance objects. I also edited cmake files and compiled it on Linux machines. Repo Link

E-COMMERCE WEBSITE | REACT | REDUX | FIREBASE

- I built the self-initiated E-commerce website that allows users to sign up/in, navigate different categories, manage cart, and checkout. It also incorporates Firebase authentication and database as the back-end solution. Website Link