

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

- It is a scrum-based teamwork of adding features to an existing geographic website at the CS314 Software Engineering course. For each code change, I create an issue, feature branch, pull request, and eventually get my PR merged. I went through distrust and discontent and made mistakes but ended up with a fruitful semester.

SPACE LAUNCH CONTROL WEBSITE | EXPRESS | MONGODB

- I built the back end of the full stack project while following online NodeJS tutorials. 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.

GITLAB-CI-PROJECT | GITLAB | AWS | DOCKER

- This is an exercise project while following tutorials. I edit the yaml file to create pipelines and deploy a static web to AWS S3 programmatically.

ITERATION-PROGRAM | C++

- As the final project of the CS253 Software Development with C++ course, it demonstrates how to write a custom iterator of a list of instance objects in C++. It also requires writing cmake files and compilation on Linux machines.

LINKS

GitLab: <https://gitlab.com/users/vieri2in/projects>

GitHub: <https://github.com/vieri2in>

Portfolio Space Launch Control: <http://54.219.135.6:8000/launch>

Portfolio e-Commerce Project:

<https://melodious-custard-eb1104.netlify.app/>

LinkedIn: <https://www.linkedin.com/in/bin-li-b2a86520b/>