John Hoang

johnhoang5@gmail.com
(408) 497-8082
Sunnyvale, CA

https://www.linkedin.com/in/jawnhoang
https://github.com/jawnhoang
https://jawnhoang.github.io

EDUCATION
B.S. Software Engineering, May 2022
San Jose State University, San Jose, CA

SKILLS AND TECHNOLOGIES
Languages: *(Proficient)*: Java, Python *(Familiar)*: HTML/CSS, C, SQL
Frameworks: *(Proficient)*: Flask, SQLAlchemy *(Familiar):* Spring Boot, JavaFX, pandas, Socket.IO
OS: Windows, Linux
Development: SDLC, Agile methodology

PROJECTS
eyeCU Security System, *SJSU, Spring 2022*

- Lead a team of 4 using Python, React, Raspberry Pi, and a Solenoid Lock to build a security system backed with a web application that streamed live footage with facial recognition overlay, unique account management, and authorized lock control.

- Developed backend using Flask APIs and SQLAlchemy to communicate with front-end and hardware endpoints.

- Performed black-box testing with 20 applicants to verify user registration and facial processing accuracy to fulfill product requirements.

- Organized weekly sprints to review and debug code which led to a 30% speedup in image verifications.

- Resolved system crashes by implementing signals to start or stop a thread to prevent invalid memory access and leaks.

Fast Pages Library Management, *SJSU, Fall 2021*

- Deployed an enterprise-focused web application using AWS elastic beanstalk, Java, Spring Boot, Bootstrap, and MySQL to create an online bookstore targeted towards bookstore admins and their customers.

- Designed database schema and relationships between tables with Java Entities to create tables and handle data validations directly through Java.

- Established business layer to database layer interaction by using JPA repository to handle queries, reducing repetitive SQL code

Self Service Bank, *SJSU, Spring 2021*

- Built an ATM application with Java and MySQL that handles unique account registration and data queries such as withdrawals, deposits, and money transfers.

- Automated testing by incorporating a SQL script to create and populate over 50 accounts to verify data queries.

Archer, *SJSU, Spring 2020*

- Led a team of 4 developing a social media website using Python, Flask, and SQLAlchemy targeted towards college students.

- Experience with SDLC process through weekly sprints, backlogs, and deliverables to gain insight on project development.

- Familiarized with the concept of ORM by using SQLAlchemy to perform data manipulations and queries through python objects.

WORK EXPERIENCE
Cisco Project Specialist Assistant, *August 2021 - Present*

- Overseeing hardware inventory for Cisco's Transceiver Module Group.

- Assisting in product development by processing over 100 modules a day for testing and business operations.

- Responsible for tracking hardware by logging module activity in Excel to assist project managers and engineers.

- Created a location grid system in the storage room to increase inventory management productivity by 70%.