Lam Tran

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Objective: To obtain a software engineering internship over the summer of 2022

EDUCATION

California Polytechnic State University: Computer Engineering (GPA 3.59) | Dean's Honor List   **December 2022**
Relevant Courses: Data Structure, Object Oriented Program, Computer Architecture, Knowledge Discovery And Data Mining

EXPERIENCE

Cisco Systems, Inc (Software Internship)   **San Jose, California**   **June 2021–September 2021**

Programming
- Developed a web application to automate private cloud database provisioning for Cisco's development teams
- Created the topology view of the databases to accelerate management and visualization of database entities

Python/Flask + Vue Js
- Integrated Vue framework and configured REST API using Flask and Python to build application
- Created end-to-end tests for AWS Elasticache for Redis using pytest to validate the resiliency of the system

DBaaS team
- Implemented monitoring and alerting to notify DBaaS team of impacting events on the systems
- Rapidly integrated into the DBaaS team to make immediate contributions to the application

Keysight Technologies (Software Co-Op)   **San Jose, California**   **January 2021–June 2021**

Programming
- Replaced manual paper-based tracking systems with an online web application, which enabled the production team to speed up manufacturing process and collect critical information for future business analysis

Python/Flask + Angular
- Converted to a tablet based scanning process to catalog key manufacturing information
- Implemented a feature that allows creation of a new database when a new manufacturing team gets spun up
- Utilized modern web framework, Angular for the UI, Ngrx/Store for optimal state management, etc.
- Developed a backend server that published REST API, and documented them via Swagger to enhance frontend developments and future integrations
- Built a Docker container to accelerate deployment process of the web application
- Implemented data storage via Microsoft Access Database (SQL) with pyodbc library

Northrop Grumman (Software Internship)   **San Jose, California**   **June 2020–September 2020**

Programming: Python
- Created a data transformation solution to convert XML and import into part logistics system
- Saved Engineers a tremendous amount of screen-time to locate all these data manually
- Enhanced search query accuracy in the database by mapping part attributes after classification
- Utilized log files to figure out the system's bug and implemented logic to solve the problem

PROJECTS/LEADERSHIP

Craiglist for Contractors (Startup Project)   **San Luis Obispo, California**   **August 2021–Present**
- Created a platform to connect home project needs with qualified contractors
- Built the application using React, Python + Flask, and PostgresSQL
- Led the team and drove the architectural decisions and implementations of the web application
- Utilized the Agile process including sprints, backlogs, and retrospectives

Tennis Captain   **San Jose, California**   **September 2016–June 2018**
- A leader of the varsity tennis team for the last two years of high school

SKILLS

Software Programming: Python, Java, Angular, Vue, Flask, Java/Typescript, HTML, SCSS, jQuery, REST API, Bootstrap
Databases/Tools: Redis, (AWS) Elasticache for Redis, Couchbase Server, Github, Jira, SQL, NoSQL, DynamoDB, Docker
Hardware: Electrical Fundamentals, Soldering, Computer Design, Building Robots, Micro-Controller
Languages: Vietnamese (Fluent), English (Fluent), Spanish (Intermediate)

EXTRACURRICULAR ACTIVITIES

Clubs: Chess Club, Robotics, Newman Catholic Center	**2018-Present**
Dean's Honor List: Maintained a 3.5+ GPA	**2018-Present**
Adele and Aldo Alessio / **Warren Stauffer CPE:** Awarded by the Computer Engineering Program	**2021**
The Chevron Engineering Scholarship: Awarded by the Computer Engineering Program	**2020**
Leadership: Event Coordinator (California Scholarship Federation), Chess Club (Vice President)	**2016-2018**