

Cuong Ly

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EDUCATION

B.S. Computer Engineering

Graduation Date: December 2021

San Jose State University

- **Relevant Coursework:** Data Structures and Algorithms, Enterprise Software, Database Systems 1
- **Organizations:** Theta Tau, Society of Software & Computer Engineers

SKILLS

- JavaScript, HTML 5, CSS, Git, Node.js, React, Kanban
- VS Code, GitHub, Google, Google Suite, Microsoft Word, Microsoft Excel

WORK EXPERIENCE

Badging Security Operator – Flextronics – Milpitas, CA

July 2021 – Current

- Manage on-site operations and site access for employees, contractors, and customers in cohesion to prevent breaches in security and confidential areas
- Direct contact for project managers, supervisors, and directors to allow access to private sectors
- Communicate professionally and appropriately with visitors and employees at all times while meeting their needs effectively
- Developed and presented documentation to upper management using an enterprise web-based access control and event monitoring system

PROJECTS

Manga Bookstore – Enterprise Software – SJSU

October 2021 – December 2021

- Developed a full-stack enterprise application with a team of 3 with CSS, HTML, Java, Spring, Thymeleaf, Docker, GCP, Kubernetes, Gradle, MySQL, and CloudSQL
- Implemented and tested a payment system using CyberSource API for users to purchase books that were added into their shopping cart
- Developed REST APIs for multiple services and tested with Postman to ensure functionality
- Implemented Git for version control system along with GitHub for code management; Kanban in GitHub was used to organize and prioritize work

Garb-E, the Autonomous Garbage Unit – Senior Project

February 2021 – December 2021

- Worked with a team of 4 to develop a functioning inexpensive autonomous small robot in C++ and Python that uses Edge AI
- Increased precision score by 9% and accuracy score by 34% through repeated trial and error
- Carefully analyzed and planned to build a functional robot on Raspberry Pi 4 with a mechanical scooper to pick up an item and place them into the garbage
- Used Edge Impulse platform to create a large dataset with OpenCV and train the model with TensorFlow Lite to deploy it to the Raspberry Pi 4

Appointment Management Application – Software Engineering 1 – SJSU

March 2020 – May 2020

- Successfully worked on a simple full-stack application with CSS, HTML, Flask, and SQLAlchemy
- Designed a functional appointment management application in Python with a team of 4 people to aid professors/advisors in becoming organized with their appointments
- Users create account and set their availability, and guests can select an appointment based on the availability set by the user

EXTRACURRICULAR

Theta Tau – Webmaster Committee – SJSU

Fall 2021

- Consistently updating the SJSU Theta Tau website with a team of 4 people to ensure that the website is running smooth and to provide an improved user experience
- Conduct a meeting every 2 weeks to share feedback and suggestions about the website from the brothers of the fraternity to decide what changes should be made
- Communicate with team members to learn implemented features or new features to be implemented to understand the structure of the full-stack web application