

Steven Lu

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Education

B.S. Software Engineering

Graduation: December 2025

San Jose State University | Charles W. Davidson College of Engineering

• **GPA: 3.6/4.0**

• Organizations: Software and Computer Engineering Society (SCE) | Mathematics, Science, Engineering Achievement (MESA), Network Engineering Technology Society (NETS)

• Relevant Coursework: Database Management Systems, Internet of Things, Data Structures and Algorithms, Object-Oriented Design

Experience

Software and Computer Engineering Society Officer

San Jose, CA

Intern, Development Team

January 2024 -

Present

- Created a discord bot for a school discord server with Discord.js and Node.js.
- Added support for the bot to pick a list of choices from a list provided by a user.
- Designed and implemented an efficient algorithm to parse the user input and return a randomized choice to the user.

Tesla Delivery Center

Fremont, CA

Tesla Advisor

March 2020 - April 2020

- Drove safely and executed the delivery of Tesla products to customer on time and in excellent condition
- Communicated with customers to provide information and assistance for excellent customer service and experiences
- Developed strong rapport with customers and created positive impression of the company

Starbucks

Milpitas, CA

Barista

November 2021- June 2022

- Responsible for the execution of all drink choices on Starbucks Menu, with any modifications to meet customer needs
- Personally oversaw the customer experience to meet and exceed customer needs, and build relationships with regulars
- Exceptional ability to multitask in a fast-paced, high-demand environment to achieve sales and drive-through goals

Selected Projects (More projects available at <https://github.com/luSteven01>)

PetJett Animal Airlines Mock Website | *Flask, HTML, Python, SQLAlchemy*

- Created a mock airlines website with the intention to book flights with your pet, and bring them with you on board
- Utilized SQLAlchemy database to save usernames and passwords, profiles of pets, and booking information.
- Designed the web pages and web forms using Flask Python, and HTML

Weather App | *React, Javascript, Docker*

- Designed and developed a webpage to visualize current and future weather conditions at San Jose State University.
- Integrated the OpenWeather REST API to extract and display weather data given a zip code with JavaScript's fetch API.
- Deployed the webpage with Docker, Docker Compose and Linux onto a club website used by over 300 active members.

Dessert Fundraiser | *Javascript, Node.js, Docker*

- Led a team of 3 software engineering students to build a viewable database for a club's dessert competition.
- Built a RESTful API in Express.js to implement CRUD operations for dessert entries stored in MongoDB.
- Created an Admin Interface in React.js, cutting data entry time by 40%, and increasing user engagement by 25%
- Leveraged the Axios JavaScript library for communication between the React.js frontend and the Express.js backend.

Skills & Interests

• **Languages/technologies:** C++, Javascript, Java, Python, Node.js, React.js, Vite, Flask, SQLAlchemy, Amazon Web Services, Arduino UNO

Certificates

- **Cisco Certified Network Associate Certificate** - Completed required coursework at Mission College *December 2023*
- **AWS Academy Cloud Foundations Certificate** - Achieved via SJSU course *December 2023*
- **Computer Programming Certificate** - Completed required coursework at Mission College *May 2023*