# CALVIN LY

San Jose, CA

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## EDUCATION

**San Jose State University** | Bachelor of Science in Computer Engineering                    Expected May 2021
- GPA: 3.80/4.0
- Dean's Scholar: Spring 2018, Fall 2018, Spring 2019, Fall 2019
- Coursework: Programming Concepts (C), Object-Oriented Concepts (C++), Assembly Language Programming, Algorithms and Data Structures, Advanced Algorithms and Data Structures, Software Engineering I

## SKILLS & INTERESTS

- Programming Languages: C++, Python, JavaScript, HTML, CSS
- Libraries/Frameworks: React.js, Bootstrap, JQuery, Flask
- Databases: Firebase, SQLAlchemy
- Interests: Playing Games; Socializing With Friends; Reddit; Watching Anime; Working Out

## EXPERIENCE

**Software Engineer Intern**                                                        November 2018 - August 2019
IpserLab | San Jose, CA
- Collaborated in a small team and innovated new ideas weekly using an Agile methodology.
- Utilized AJAX and a RESTful API to send and retrieve data from the backend for CRUD functionalities.
- Developed the front-end using HTML, CSS, Bootstrap, jQuery, and JavaScript.

## PROJECTS

**Connect 365: Scheduling Application**                                    September 2019 - December 2019
*Python, Flask, SQLAlchemy, HTML, CSS, Bootstrap*
- Led a team of four to design and develop a flask application that solves scheduling issues among friends.
- SQLAlchemy to store data, connect multiple users together, and compute schedule conflicts.
- Utilized Travis CI for automated unit testing to find bugs and optimize workflow.

**realAnime: Anime Website**                                                          May 2019 - July 2019
*React.js, Javascript, jQuery, Firebase, HTML, CSS, Bootstrap*
- React web application to search for over thousands of animes that are pulled from an anime database (Jikan API).
- Implemented user authentication via sign up through email, Google, and Facebook.
- Incorporated a functionality to efficiently store users' subscribed animes in Cloud Firestore.

**Personal Website Portfolio**                                                    January 2019 - June 2019
*HTML, SASS, Bootstrap, jQuery, JavaScript*
- Developed to improve my front-end development skills, while also displaying my achievements and skills.
- Designed and created the structural flow of the website for ease of navigation (UI/UX).
- Built a responsive website from scratch with interactive functionalities for user experience.

## ACTIVITIES

- *Development Team* - Software & Computer Engineering Society                    August 2019 - Present
- *Member* - MESA Engineering Program                                            August 2018 - Present
- *Marketing Chair* - Society of Asian Scientists and Engineers                   August 2018 - May 2019