

CALVIN LY

San Jose, CA

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EDUCATION

San Jose State University | Bachelor of Science in Computer Engineering Expected May 2021

- GPA: 3.8/4.0
- 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

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- 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

LeetTracker December 2019 - January 2020

React.js, AWS (Amplify, DynamoDB, Cognito), JQuery, GraphQL

- Serverless web application that allows users to create and share sets of LeetCode problems.
- Leveraged AWS Amplify for authentication and data storage in Cognito and DynamoDB respectively.
- Applied GraphQL to perform CRUD operations with DynamoDB.

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.

ACTIVITIES

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- *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