

CALVIN LY

San Jose, CA

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EDUCATION

San Jose State University Bachelor of Science in Computer Engineering	Expected May 2021
<ul style="list-style-type: none">GPA: 3.79/4.0Dean's Scholar: Spring 2018, Fall 2018, Spring 2019, Fall 2019, Spring 2020Coursework: Object-Oriented Concepts (C++), Assembly Language Programming, Algorithms and Data Structures, Advanced Algorithms and Data Structures, Software Engineering I, Database Systems I, Operating Systems	

SKILLS & INTERESTS

- Programming Languages: C++, Python, JavaScript, HTML, CSS
- Libraries/Frameworks: React.js, Node.js, Express.js, Flask, Bootstrap, JQuery
- Databases: MySQL, Firebase, SQLAlchemy

EXPERIENCE

Software Development Engineer Intern Amazon Seattle, WA	May 2020 - Present
Software Engineer Intern IpserLab San Jose, CA	November 2018 - August 2019
<ul style="list-style-type: none">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

Blips <i>React.js, Node.js, Express.js, MySQL, Reactstrap, JWT, BCrypt</i>	March 2020 - April 2020
<ul style="list-style-type: none">Worked in a team of six to build a full stack Casino web application for users to play on.Set up the backend infrastructure in Node.js to write queries to MySQL and implemented logging functionalities for error debugging.Created a REST API with Express.js for the frontend to easily request and retrieve queries from MySQL.	
LeetTracker <i>React.js, AWS (Amplify, DynamoDB, Cognito), JQuery, GraphQL</i>	December 2019 - January 2020
<ul style="list-style-type: none">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 <i>Python, Flask, SQLAlchemy, HTML, CSS, Bootstrap</i>	September 2019 - December 2019
<ul style="list-style-type: none">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.	

ACTIVITIES

Member - MESA Engineering Program	August 2018 - Present
Development Team - Software & Computer Engineering Society	August 2019 - May 2020
Marketing Chair - Society of Asian Scientists and Engineers	August 2018 - May 2019