

# Jefferson Ly

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## EDUCATION

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### San Jose State University

San Jose, CA

*Bachelor of Science in Software Engineering*

*Aug. 2016 – Dec. 2020*

- Major GPA: 3.41
- Coursework: Data Structures and Algorithms, Enterprise Software Platforms, Information Security, Mobile Software Engineering, Object Oriented Design, Operating Systems, Software Engineering I and II, Software Process Management, Software Quality Testing

## EXPERIENCE

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### Software Engineering Intern - IoT

June 2020 – Aug. 2021

*Zeiss*

*Dublin, CA — Remote*

- Implemented functional services using Javascript on the ThingWorx platform.
- Updated pre-existing ThingWorx services to effectively display data and optimize workflow for engineers.
- Analyzed system data and utilized linear regression to predict source changes and lifecycle of Versa systems.

### Web Developer

May 2019 – Sep. 2019

*Concrete Shells*

*San Jose, CA*

- Developed and deployed responsive website using HTML, CSS, jQuery, Javascript, and JS libraries.
- Utilized AWS EC2 to deploy existing WordPress based site and incorporated custom code to meet requirements.
- Optimized rendering times using Google Chrome Developer Tools and Google Page Insights.

### Software Engineer Testing Intern

Jan. 2019 – Apr. 2019

*VIA Technologies*

*Fremont, CA*

- Downloaded, installed, and tested software programs in different systems and motherboards.
- Black box tested computer motherboard programs UI on TVs and desktops.
- Collaborated with senior engineers to track bugs and report them to the RnD team.

## PROJECTS

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### MERN Auth BP

Mar. 2021 – May 2021

*Ant Design, Cloudinary, Express.js, GSAP, Lottie, MongoDB, Node.js, React, Redux*

- Designed and built a responsive full-stack MERN application with Redux for efficient state management.
- Implemented authentication functionalities and an administrative portal to manage existing users.
- Set up a RESTful backend infrastructure to fetch and post data to MongoDB.

### Fintrack

Sep. 2020 – Dec. 2020

*AWS (Amplify, Cognito, DynamoDB), Git, GraphQL, HTML/CSS, Javascript, React*

- Led a team of engineers to implement a scalable web application that tracks the user's financial expenses.
- Designed the landing page and implemented various React components that were used throughout the application.
- Provided technical guidance and support for team members to meet project deadlines on time.

### Realtime Messenger

Apr. 2019 – May 2019

*CocoaPods, Firestore, Git, Swift, UIKit, SDWebImageSwiftUI*

- Developed authentication functionalities for application (register, login, signout, OAuth).
- Designed and implemented UI for application screens, created application based on MVC architecture.
- Enabled real time messaging between users by efficiently storing and fetching data from Firestore.

## TECHNICAL SKILLS

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**Languages:** GraphQL, HTML/CSS, Java, Javascript

**Frameworks:** Ant Design, Bootstrap, Express.js, jQuery, Material UI, Node.js, React, WordPress

**Databases/Tools:** Adobe XD, AWS, Docker, Git, Eclipse, Firebase, MongoDB, Redux, VSCode