

(408)387-4709
jeffersonly98@gmail.com
San Jose, CA

Jefferson Ly

github.com/jeffersonly
linkedin.com/in/jeffersonly
Jeffersonly.com

EDUCATION

San Jose State University

GPA: 3.22 / 4.0

Bachelor of Science in Software Engineering

Aug. 2016 – Dec. 2020

- Assembly Language Programming
- Computer Org and Architecture
- Data Structures and Algorithms
- Mobile Software Engineering
- Object Oriented Design
- Operating Systems
- Software Process Management
- Enterprise Software Platforms
- Software Quality Testing

EXPERIENCE

Predictive Services (IoT) Software Engineering Intern

Carl Zeiss X-Ray Microscopy

Jun. 2020 – Present

Remote | Pleasanton, CA

- Implemented functional services using Javascript on the ThingWorx Platform.
- Leveraged pre-existing services within ThingWorx to manipulate data from Versa systems.
- Analyzing system data to predict source changes and the lifecycle of Versa systems.

Web Developer/Admin.

Concrete Shells

May 2019 – Sep. 2019

San Jose, CA

- Developed responsive website using HTML, CSS, JQuery, Javascript, and JS libraries.
- Recreated wordpress based site to fully custom code, hosts original code on AWS EC2 instance.
- Quality tested website to optimize rendering time using Chrome DevTools.

Software Engineer Testing Intern

VIA Alliance Technologies

Jan 2019 – Apr. 2019

Fremont, CA

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

PROJECTS

Realtime Messenger

CocoaPods, Firestore, Swift, UIKit, SDWebImageSwiftUI

Apr. 2020 – May 2020

- Developed authentication functionalities for application (registering account, login, signout, OAuth).
- Designed and implemented UI for application screens, created application based on MVC architecture.
- Stored to and fetched data from Firebase Firestore enabling real time messaging between users.

Celebrity Recognition Application

AWS, GraphQL, HTML/CSS, Javascript, React

Oct. 2019 – Nov. 2019

- Serverless web application leveraging AWS and IMDB api to recognize celebrities.
- Implemented authentication aspects of app, leveraging AWS Amplify and Cognito.
- Utilized Amplify backend resources and GraphQL to store data to DynamoDB and images to S3.

TECHNICAL SKILLS

Languages: HTML/CSS, Java, Javascript, SQL, Swift
Frameworks: Bootstrap, React
Platforms: AWS, Firebase, ThingWorx

Databases: Firestore, DynamoDB, MySQL, S3
Operating Systems: MacOS, Linux, Windows
Tools: Adobe XD, Eclipse, Excel, Git, VSCode

LEADERSHIP

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|---|------------------|-----------------------|
| • Software and Computer Engineering Society | Development Team | Sep. 2019 – Aug. 2020 |
| • Society of Asian Scientists and Engineers | Treasurer | June 2018 – May 2019 |
| • MESA Engineering Program | Member | Aug. 2017 – Present |