

John Tran

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EDUCATION

B.S. Computer Science (3.92/4.00 GPA) – Economics Minor – San Jose State University

2015 - 2019

WORK EXPERIENCE

Lime — Software Engineer

Jan 2020 – May 2020

San Francisco, CA

- Built software for scaling communication between vehicles and back-end services
- **Saved millions in yearly data costs** by migrating message payloads from raw string to **protobuf**
- Optimized **Ruby on Rails** Active Record model, **eliminating 17,000+ MySQL writes/minute**

San Jose State University — Undergraduate Researcher

Aug 2019 – Feb 2020

San Jose, CA

- Researched throughput performance of past and present **Apache ZooKeeper** versions
- Participated in ZooKeeper's **open-source** development community
- **Presented findings at ZooKeeper@Facebook 2020** talk
- Advised by Dr. Benjamin Reed, co-author of ZooKeeper

Lime — Software Engineering Intern

May 2019 - Aug 2019

San Francisco, CA

- Developed internal tools for vehicle fleet management, analytics, and operations
- Integrated company **Google SSO login** for **Swift iOS** mobile and **React/Redux** web applications
- **Improved build times by 50+%** with **Webpack parallelization** and **caching** configurations

Cisco Systems — Software Engineering Intern

Jun 2018 - Aug 2018

San Jose, CA

- Developed customer-facing applications for Webex teleconferencing tools
- Implemented **C/C++** back-end server code for application localization
- Modernized web codebase with **Node Package Manager**, **React**, and **ES6+ JavaScript**
- Constructed **end-to-end UI** and **unit test suites** with **Jest** and **Selenium**

Xenio Systems — Software Engineering Intern

Dec 2017 - Jun 2018

San Francisco, CA

- Developed tools for **IoT** gateway data analytics and visualization
- Designed **continuous integration** pipeline with automated testing and deployment

San Jose State University — Instructional Student Assistant

Aug 2017 - Jun 2018

San Jose, CA

- Evaluated introductory **Java** code for over 100 students

PROJECTS

ESLint-plugin-compat (github.com/amilajack/eslint-plugin-compat) — Open-Source Collaborator

- Core contributor for **open-source JavaScript code checker** that ensures browser compatibility
- **150,000+ downloads** weekly on NPM, **2,400+ stars** on Github

Electron React Boilerplate (github.com/electron-react-boilerplate) — Open-Source Collaborator

- **Open-source** starter kit to create cross-platform applications with **Electron**, **React**, and **Redux**
- **15,000+ stars** on GitHub

Strongr (strongr.io) — Hobby Project

- Website that generates weightlifting routines based on user strength levels
- Deployed **React-based** application with **Express** on **Heroku** hobby dyno

SKILLS

Primary Languages — JavaScript, HTML/CSS, SQL, Java

Secondary Languages — C, C++, Python, Ruby, Swift, Go

Tools and Libraries — React, Redux, Node.js, Webpack, Git, Hadoop, Ruby on Rails, AWS, Travis CI