

Employment

Software Quality Engineer Planet Labs June 2019 - Present

- Designed and developed Planet Explorer's automated UI and end to end test framework (www.planet.com/explorer)
- Greatly reduced time and man power needed for manual regression testing through automation
- Designed and developed unit tests for internal and customer facing APIs
- Worked closely with developers to test and perfect new releases (Explorer, Stories, other APIs)
- Participated in quarter long Software Engineer Mentorship Program as a mentee

Skills Leveraged: Python, Selenium, Pytest, WebDriverIO, Javascript, Cypress, React, Jira, Git, React Dev Tools, Debugging

Fullstack Developer (Part Time) Cinemaloop April 2020 - August 2020

- Building features on both the frontend and the backend
- Worked closely with design team to develop Cinemaloops's MVP
- Produced new features on a weekly basis
- Presented new ideas and libraries to use in order to cut down on development time (Material UI)
- Responsible for troubleshooting, debugging and fixing issues

Skills Leveraged: Javascript, React, Node.js, Material UI, Webpack, Express, Mongoose, Git

Education

Santa Cruz, CA University of California, Santa Cruz Sept 2015 - June 2019

- **Major:** Computer Science, B.S from Jack Baskin School of Engineering - GPA 3.0
- **Coursework:** User Experience, Web Applications, Intro Software Engineering, Intro Computer Networks, Database Systems, Abstract Data Types, Intro to Operating Systems, Comparative Programming, Computer Architecture, Computational Models, Intro to Algorithms and Analysis

San Jose, CA Coding Dojo: Coding Bootcamp June 2017 - Sept 2017

- **Certification:** Black Belt in full stack development - MEAN Stack codingdojo.com
- **Certification:** Black Belt in full stack development - Python + Django/Flask Stack

Software Projects

Personal Website: <https://ectom.github.io/> (for additional information and projects)

- React web app to display past and current employment and projects that I am working on
- Deployed with Github Pages

Learned: React, Material UI, Custom Components, Github Pages

Disasters: <https://www.github.com/ectom/disasters>

- A web app that displays the most recent natural disaster data as provided by USGS and Planet Labs satellite imagery
- Currently in development, a React web application using ReactJS, Redux, USGS API and Planet Labs API
- Displays earthquakes around the world, filterable by date and magnitude

Learned: ReactJS, Redux, USGS API, Planet API, React Leaflet

Student Manager: <https://www.github.com/ectom/StudentManager>

- Developed a full stack desktop application using Javascript's React, Electron, Node.js, and MySQL which allows easy tracking of student attendance. Parents are sent messages when students are checked out to notify them for pickup
- Integrated Material UI and Material Table for easy styling and data visualization
- Implemented Electron's interprocess communications to connect React frontend to Node.js backend functions
- Utilized MySQL for its relational database management system. This helps link students to attendance times and parents

Learned: React, Electron + IPC, Node.js, MySQL, Promises, Material UI, Python*, Express*, Flask*, REST* (* used in previous iterations)

Skills

Proficient: Javascript, Python, SQL, MongoDB, Git, UNIX • **Frameworks:** Node.js, React, Angular, Express, Vue, Django

Interests: Working Out, Guitar, Piano, Cajon, Technology, Ability to cut my own hair, P1RM Back Squat: 226.56 lbs