

## Jack Leckrone, Software Engineer

Links: [Website](#) [Linkedin](#) [Github](#)

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## Experience

*TheWave – Full Stack, Personal Project* Feb. 2021 – Present

- Currently developing an iOS mobile app to encourage fellow drivers and car enthusiasts to connect while out on the road
- Built with React Native and Firebase – JavaScript

*Video-Hub-App – Front End, Open-Source Contribution* Jan. 2021 – Feb. 2021

- Video Hub App is the fastest way to browse and search for videos on your computer
- Implemented functionality to display fps for videos in the repository by extracting video data with FFmpeg, adding to video component, and displaying in HTML component
- Built with Angular and Electron – TypeScript, HTML, JSON

*sButtons – Front End, Open-Source Contribution* January 2021

- Simple JavaScript buttons you can easily use for your next project
- Reformatted webpages and resolved website bugs – Bootstrap, JavaScript, HTML & CSS

*Data Visualizations – Course* April 2020 – June 2020

- Created 6 interactive web-based data visualizations presented as bar graphs, multi-line graphs, scatter plots and TopoJSON maps
- Wrote Python scripts to select and transform data in csv datasets
- Built with D3.js – JavaScript, HTML & CSS

*Web Applications – Course* April 2020 – June 2020

- Designed and deployed single-page reactive forum-style website through 4 iterative projects that allowed users to signup/login, add posts, respond to posts, edit/delete their posts, and like/disklike posts
- Built with Vue.js and Py4web – Frontend: JavaScript, HTML & Bulma CSS, XML, AJAX. Backend: Python, SQLite, RestAPI (similar to GraphQL)

*Project Quiet Place – Full Stack, Course Project* Sept. 2019 – Dec. 2019

- Developed an iOS and Android mobile app in 10 weeks with a 5-person, SCRUM based agile development group to help housemates be more courteous of noise levels and avoid confrontations
- Built with React Native and Firebase with Jest Unit Testing – JavaScript

## Education

*University of California, Santa Cruz – B.S. Computer Science* (GPA: 3.35 Major / 3.19 Overall) Sept. 2016 – June 2020

- Excelled in courses using high-level algorithms and data structures to build 1 mobile and 1 web apps, 6 data visualizations, and basic computer graphics using React Native, Vue.js, d3.js, HTML & CSS, Python, and WebGL
- Experience with relational and cloud database systems (PostgreSQL - Google Firebase)
- Dean's Honors Fall Quarter 2019

*University of California, Santa Cruz – B.A. Economics* (GPA: 3.41 Major / 3.19 Overall) Sept. 2016 – June 2020

- Thorough understanding of econometrics, regression analysis, and hypothesis testing

*Leigh High School* 2012 – 2016, San Jose, CA

- Winner of Xilinx Capstone Project Showcase 2016
- Project Lead the Way – Four-year track designed for broad exposure to various engineering disciplines
- National Honors Society – President of NHS Junior and Senior years

## Skills

- JavaScript, TypeScript, Python, HTML & CSS, Java, C / C++, PostgreSQL, Agile Development, Git Version Management, Econometrics

## Volunteer Experience

*Trail Builder, Mountain Bikers of Santa Cruz* 2012 – 2018, Santa Cruz, CA

- MBoSC builds and maintains sustainable multi-use trail networks for underfunded public land agencies

*Mechanic, Good Karma Bicycles* 2011 – 2016, San Jose, CA

- Leveraging experience building my own bikes, helped Good Karma Bikes build and maintain bicycles, a critical mode of transportation for less fortunate adults and a source of fun for children