

Jack Leckrone, Software Engineer

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Links

[Linkedin](#)

[Github](#)

Experience

TheWave – Personal Project

Feb. 2021 – Present

- Currently developing an iOS 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 – 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 – 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 interactive web-based data visualizations presented as bar graphs, multi-line graphs, scatter plots and TopoJSON maps
- Built with D3.js – JavaScript, HTML & CSS

Web Applications – Course

April 2020 – June 2020

- Designed and deployed single-page reactive forum-style website that allows users to signup/login, add posts, respond to posts, edit/delete their posts, and like/disklike posts
- Built with Vue.js and Py4web – JavaScript frontend, HTML, Bulma CSS, XML, AJAX, Python backend

Project Quiet Place – Course Project

Sept. 2019 – Dec. 2019

- Developed an iOS and Android app in a 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 mobile and web apps, data visualizations, and basic computer graphics using React Native, Vue.js, d3.js, HTML & CSS, Python, and WebGL
- Experience in relational and cloud database systems (PostgreSQL - Google Firebase)
- Deans 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