Jack Leckrone, Software Engineer

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Links: Website   Linkedin   Github

Experience

TheWave – *Full Stack Developer*   *Feb. 2021 – Present*
- For fun, designing and developing an iOS mobile app to encourage fellow drivers and car enthusiasts to connect while out on the road
- As an avid car enthusiast, I wish there were an easier way to connect with other enthusiasts' social medias, so I'm creating a solution myself!
- Built with React Native and Firebase with Redux – JavaScript

Video Hub App – *Front End Contributor*   *Jan. 2021 – Feb. 2021*
- Helped creators easily organize, navigate, and view additional details about their video files by implementing functionality to display FPS for an open-source desktop app
- Built with Angular and Electron with FFmpeg– TypeScript, HTML, JSON

sButtons – *Front End Contributor*   *January 2021*
- Reformatted webpages and resolved website bugs for an open-source library of simple JavaScript buttons that anyone can seamlessly incorporate into their next project
- Built with Bootstrap, JavaScript, HTML & CSS

Data Visualizations – *Course Project*   *April 2020 – June 2020*
- Created 6 interactive web-based data visualizations presented as bar graphs, multi-line graphs, scatter plots and TopoJSON maps to visualize countries' GDP, energy consumption, population density, and other economic factors
- Wrote Python scripts to automatically select and transform the most important data in multi-thousand-point csv datasets
- Built with D3.js – JavaScript, HTML & CSS, Python

Web Applications – *Course Project, Full Stack*   *April 2020 – June 2020*
- Designed and deployed a 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
- Frontend: Vue.js – JavaScript, HTML & Bulma CSS, XML, AJAX. Backend: Py4Web – Python, SQLite, RestAPI (like GraphQL)

Project Quiet Place – *Course Project, Full Stack Developer*   *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 and avoid confrontations caused by high noise levels
- 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 implementing high-level algorithms and data structures to build mobile and web applications, data visualizations, and WebGL computer graphics, along with systems design principles (Synchronization, Multithreaded HTTP server, Caching) using C / C++
- 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