Jack Leckrone

jack.leckrone5@gmail.com | (408) 300-3384 | Los Gatos, CA

[LinkedIn](#) | [GitHub](#) | [Website](#)

Education

University Of California, Santa Cruz   June 2020

Bachelor of Science, **Computer Science** | Major GPA: 3.35

Bachelor of Arts, **Economics** | Major GPA: 3.41

Dean's Honors Fall 2019

Technical Skills

Languages:	JavaScript, TypeScript, Python, SQL, C, Java, HTML & CSS
Frameworks and Technologies:	React, React Native, D3.js, Redux, Jest, Firebase, NPM, PostgreSQL, PY4WEB
Teamwork and Management:	Agile Development (Scrum), Remote, Git Version Control
Other:	Econometrics, Regression Analysis, Hypothesis Testing

Open Source Experience

Video Hub App | [GitHub](#)   Feb 2021

- Implemented FPS display with FFmpeg to help creators easily organize, navigate, and view enhanced video file details
- Learned relevant sections of code base and completed new feature within 4 days

sButtons | [GitHub](#)   Jan 2021

- Reformatted and debugged project website for a library of simple JavaScript buttons

Projects

Hungry Snake | React | [Website](#) [GitHub](#)   May 2021

- Built an inverse snake game where player selects a food cell and snake tries to eat food with path and self-detection dependent on selected game difficulty (4 options)
- Performs pathfinding with breadth-first search and depth-first search or follows a Hamiltonian cycle

AlgoVis | React, Redux | [Website](#) [GitHub](#)   Apr 2021

- Created a sorting algorithm visualizer to learn implementation differences of 7 popular algorithms and help those learning computer science visualize how they work
- Implemented selection, insertion, bubble, gnome, quick, merge, and heap Sorts

TheWave | React Native, Redux, Firebase | [GitHub](#)   Feb 2021 – Present

- Developing an iOS mobile app to encourage fellow drivers and car enthusiasts to connect social media accounts while out on the road by measuring and logging proximity data

World Airports Voronoi | D3.js | [Website](#) [GitHub](#)   May 2020

- Created an interactive data visualization presented as a Voronoi diagram around global international airports to find regions closest to each airport
- Wrote a Python script to select and transform entries in multi-thousand-point CSV dataset to JSON

Project Quiet Place | React Native, Firebase, Jest | [GitHub](#)   Sep – Dec 2019

- Developed an iOS and Android mobile app in 10 weeks with a 5-person Scrum team to help housemates be more courteous of noise and avoid confrontations caused by schedule differences
- Directed and assisted team for 2 weeks as rotational Scrum Master during sprint 3 of 4

Awards and Accomplishments

Winner of Xilinx Capstone Project Showcase | San Jose, CA