

James Clark

Redwood City

jamesloganclark@gmail.com

[LinkedIn](#)

(310) 922 4214

[GitHub](#)

I spent the last year working on intricate problems at a 3D printing company, where I worked on user interface, back-end, and geometry code. I'm open to front end or full stack positions either in the Bay Area or remote.

Experience

Fullstack Software Engineer

Carbon - Redwood City, CA

10/19 - 7/20

- Improved the runtime of the patch selection tool, an internal tool used for selecting subsets of 3D geometries, by ~80% through the implementation of a Union-Find algorithm (C++)
- Implemented a generic cancel functionality for the server-side job infrastructure, eliminating long user wait times of 20+ minutes (JavaScript & TypeScript, Express & Axios)
- Unified testing frameworks by setting up the Jest framework and converting server-side unit tests (JavaScript & TypeScript, Jest, Node)
- Refreshed icon library and style sheets to bring better consistency to user experience across the many different user interfaces (React, CSS & Sass, Javascript & Typescript)
- Developed a new user interface that allows users to view information by hovering over rendered 3D geometries, improving UX (TypeScript, React, MobX, Sass, OpenGL)

Frontend Software Engineer

Conscioux - Boston, MA

Summer 2018 & 4/19 - 5/19

- Prototype and design pages for [web applications](#) (React, Javascript, Styled-Components)

Teaching Assistant for Principles of Programming Languages

Boston College - Boston, MA

01/19 - 05/19

Personal Projects

Deals Mate ([GitHub](#) | [Website](#))

- A price watching website for Amazon products (React, Material-UI, React-Router, GitHub, NodeJS, Express, MongoDB Atlas, AWS Beanstalk, Webpack)

HAMT Data Structure ([GitHub](#))

- Functional, persistent hash-map (Ocaml)

Languages & Technologies

Languages

Proficient: Javascript, TypeScript, CSS3 & HTML / HTML5

Comfortable: C++, C, SQL, Ocaml

Technologies

Proficient: React, Express, MobX, Jest, Node.js, ES6

Comfortable: MongoDB, AWS Beanstalk, GitHub, Jest, Sass, Axios, Jasmine

Education

Hatchways

San Francisco

09/19

- Bootcamp for new grads to help build a portfolio around web development

Bachelor of Science in Marketing and Business Analytics,

Minors in Computer Science and Physics

Boston College - Boston, MA

Graduated 05/19

Viewpoint Highschool & Middleschool

Calabasas, CA

Graduated 05/15

- AP Comp Sci ~ taken 2014
- Began coding ~ 2010 with middle school comp sci classes