James Clark
Redwood City

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LinkedIn   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)

My Portfolio Website (GitHub | Website)
- A static website hosted on Github Pages (React, Gatsby, SASS, TypeScript)

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