

Derek Lam

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EDUCATION

California Polytechnic State University, San Luis Obispo

June 2020

Bachelor of Science | Computer Science | GPA: 3.59

Relevant coursework: Software Engineering, Individual Software Engineering, Dynamic Web Development, Data Structures in Python, Project-Based Object-Oriented Programming and Design in Java, Discrete Structures, Systems Programming, Design and Analysis of Algorithms

WORK EXPERIENCE

Upwork | Remote

June 2020 - November 2020

Freelance Frontend Developer

- Developed a few frontend-focused projects mostly in React, involving conversion from Figma designs to responsive, cross-browser compatible websites.
- Delivered frontend projects on time with all positive, high-rated testimonials.

Project Jupyter | San Luis Obispo, CA

June 2019 - June 2020

Software Engineer Intern

- Developed a rich text editor extension for JupyterLab using TypeScript and React
- Utilized the ProseMirror toolkit to implement a rich text editor as the default editor for Markdown cells
- Collaborated with a designer in various stages of development, including user research and product design, to create a polished end product for JupyterLab
- Collaborated with members of the Jupyter open-source community to solve GitHub issues

Cal Poly Extended Education | San Luis Obispo, CA

October 2018 - June 2020

Student Web Developer

- Updated various Cal Poly websites by editing HTML, CSS, and JavaScript via requests from school departments
- Utilized various frontend technologies like Bootstrap and jQuery during development

PROJECTS

Salewave Website | Freelance Work

Summer 2020

- Converted a Figma design into a React SPA with responsiveness and cross-browser compatibility in mind.
- Created and utilized custom React hooks for form validation and cancelling Axios requests.

Chat Application | California Polytechnic State University, San Luis Obispo

Spring 2020

- Implemented a chat web application where users can perform CRUD operations on accounts, conversations, messages, and likes
- Developed a Node and Express REST API for said CRUD operations
- Operated under test-driven development in the backend using test collections in Postman
- Developed a ReactJS frontend using functional components and React hooks, as well as Redux for state management

SKILLS

Web Programming Languages: HTML, CSS/SASS, JavaScript (ES6), TypeScript

Technologies and Frameworks: Git, TailwindCSS, ReactJS, GatsbyJS, NextJS, jQuery, Bootstrap, SQL, NodeJS, ExpressJS, ProseMirror