

Derek Lam | Frontend Developer

Portfolio Website: dlamslo8.github.io

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EDUCATION

California Polytechnic State University, San Luis Obispo

September 2016 - June 2020

Bachelor of Science | Computer Science | GPA: 3.59

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

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

Binary Tree Visualizer

Summer 2020

Project URL: binary-tree-visualizer.netlify.app | *Github Link:* github.com/dLamSlo8/Binary-Tree-Visualizer

- Created a React-based web application that visualizes binary trees based on user input using the D3.js library.
- Utilized BEM-style CSS to add structure and consistency to styling, and SASS as a preprocessor for both writing BEM more efficiently and organizing style files
- Gathered a total of 85 active users within the project's lifespan, prior to its deprecation (view [site](#) for more info)

Chat Application | California Polytechnic State University, San Luis Obispo

Spring 2020

- Implemented a full-stack chat web application using React and ExpressJS where users can perform CRUD operations on accounts, conversations, messages, and likes
- Utilized test-driven development when developing the ExpressJS backend using test collections in Postman

SKILLS

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

Technologies and Frameworks: Git, Postman, SASS, TailwindCSS, ReactJS, GatsbyJS, NextJS, D3.js, jQuery, Bootstrap, SQL, NodeJS, ExpressJS