

Cody Tsao

Full-Stack Software Engineer

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SKILLS

Languages | JavaScript, HTML/HTML5, CSS, Python, C++, Typescript

Libraries and Frameworks | React, Node.js, Express.js, Bootstrap, Tailwind, Three.js

Database | MongoDB, Mongoose, SQL

Other | RESTful Routing, JSON, AJAX, MVC, Git/Github, Heroku, EJS

PROJECTS

Bookbase | MERN stack based book sharing website

MongoDB, Express, React, Node.js, Auth0

09/2021

- Constructed a multi page React based web application with MongoDB based backend with REST conventions to store user information
- Integrated Auth0 for user authentication combined with multiple Mongoose models to ensure accurate user authentication infrastructure, resulting in a higher quality user experience
- Utilized the OpenLibrary API for reference data allowing for implementation of features such as an auto-complete search bar and modularized display pages with clean, easily refactored component based code structure.

Movio | MEN stack based movie website

Express, EJS, MongoDB, Mongoose, API, CSS

08/2021

- Designed an EJS based web application with MVC conventions to allow users to search for movies and save desired movies as Mongoose documents stored in a API based backend supported by MongoDB
- Leveraged Axios to make multiple API calls and algorithmically processed the incoming data to remain scalable with linear efficiency
- Engineered a modular front-end with CSS including the exploration of some CSS frameworks such as Bootstrap and Materialize

myCapyPal | Browser-based web-game

Javascript, HTML, CSS

07/2021

- Implemented a tamagotchi style web-based game using HTML, CSS and Javascript and deployed to Github pages
- Utilized HTML, CSS and Javascript for DOM manipulation to provide interactive responses to user inputs
- Simplified workflow and developer legibility by implementing object-oriented programming paradigm

PROFESSIONAL EXPERIENCE

Academic Tutor | Self-Employed | UCSC/Home Tutoring

01/2017 - 06/2020

- Tutored around fifteen college students subjects ranging from simple computation with calculus to building on algorithmic comprehension with discrete mathematics resulting in increases of academic performances by at minimum a full letter grade.
- Mentored five ESL students over one academic year to bolster confidence in navigating foreign educational spaces as well as just generally improving grades. This was achieved through tailored group lessons and individual coaching sessions.
- Recorded trends in individual student performance to better address and improve problem areas for students leading to success in not only their coursework, but improving their efficiency and the methodology they employed as students.

EDUCATION

Software Engineering Immersive | General Assembly

09/2021

Full-stack software engineering immersive student in an intensive, twelve-week, 450+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects.

Bachelor of Arts (B.A.) in Applied Linguistics | University of California Santa Cruz

06/2021

Multidisciplinary major addressing language-related issues from broad range of various disciplines including but not limited to Anthropology, Cognitive Sciences, Education, Languages, Linguistics, Psychology and Sociology