

Yuchen (Abi) Liu

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EDUCATION

100Devs

Full Stack Software Development Program

Remote

June. 2022 – June 2023

University of California - Santa Cruz

Bachelor of Arts in Business Management Economics

Santa Cruz, CA

September 2018 – December 2022

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, HTML/CSS

Frameworks: React, Node.js, MongoDB, Mongoose, JQuery, MaterialUI, Bootstrap, MantineUi

Developer Tools: Git, VS Code, Postman

Miscellaneous: Netlify, Render, Object Oriented Programing (OOP), Agile Methodology, Node Package Manager (NPM)

OPEN-SOURCE CONTRIBUTIONS

Medplum github.com/medplum/medplum

Healthcare Developer Platform

Open Source

July 2023 - Present

- Enhanced Medplum's batch upload tool, allowing users to upload multiple FHIR bundle resources simultaneously, improving efficiency and usability.
- Implemented separate output tabs for each uploaded file, providing a clearer view of the uploaded data and streamlining the data management process.
- Introduced a copy button for resource IDs, improving the developer's workflow and making essential information more accessible.
- Technologies used: TypeScript, React, Mantine UI.

PROJECTS

Valorant Finder | *TypeScript, Node.js, Express, MongoDB, React, Jest, Git*

June 2023 – Present

- Developed a full-stack web application using with Node.js serving a REST API with React as the frontend
- Implemented Local Auth for account creation
- Implemented a caching system for match and profile data that reduces loading times by up to 100%.
- Implemented Unit testing with Jest and Supertest to enhance endpoint robustness and reliability.
- Used MaterialUI to build an intuitive and visually appealing interface on all screen sizes.
- GitHub: github.com/Abi-Liu/Valorant-Team-Finder

FinanceMe | *JavaScript, Node.js, Express, MongoDB, React, Git*

March 2023 – April 2023

- Integrated the Plaid API's secure connection to enable users to connect and manage multiple bank and credit card accounts.
- Implemented Google OAuth for account creation.
- Grouped transactions by category and used Material Table to display the data to give users a better understanding of their spending habits.
- Built UI with MaterialUI and incorporated the Google Charts API for data visualization and insightful financial reporting.
- GitHub: github.com/Abi-Liu/Finance-Me

VOLUNTEERING

Albany Unified School District

Student Volunteer

Albany, CA

March 2018 – August 2018

- Helped with teaching basic computer programming skills to kids at the local elementary schools in my hometown.

Reading Partners

English Tutor

Oakland, CA

Jan 2017 – June 2017

- I volunteered to tutor reading and writing skills to children in underserved communities in my area.