

Samuel Chau

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Technical Skills

Languages: JavaScript (ES6), TypeScript

Databases: PostgreSQL, SQL, MongoDB (ODM: Mongoose), GraphQL

Frontend: ReactJS, Redux, HTML, CSS, Tailwind CSS, Green Sock (GSAP), ThreeJS, React-Three-Fiber

Backend: NodeJS, ExpressJS, NextJS

Testing: Cypress, Mocha, Enzyme, Jest, React Testing Library

Other Technologies: Git, Docker, Webpack, Babel, OAuth2.0

Professional Experience

Change Lab

March 2020 - Present

Software Development - Intern

Remote, USA

- Contributed to transforming 4-year-old WordPress site into the intended edutech platform using React, Postgres, and Express with microservices architecture
- Securely integrated PayPal to capture payments for multiple products and services
- Developed relational data schemas, queries, and their respective REST API endpoints based on communicated business requirements
- Worked closely with game designers to build courses and training modules packaged as games using React

Project Experience

JobTrackr

Jun 2021 - Oct 2021

Personal Project

- A job tracking web app secured via Firebase authentication where users can manage and organize jobs all in one view
- Designed and implemented data models and relations with API endpoints to interact with the data meaningfully
- Wrote automated integration and end to end tests to accelerate development and normalize data
- Executed detailed plans and schedule for completing features in a timely manner

Cultivating Donors

Jul 2020 - Jan 2021

Change Lab / Intern

- Co-developed an interactive training app packaged as a game for orientation purposes
- Leveraged React, Redux, and SCSS to liven assets by tying them to game state in line with team defined specifications
- Created reusable components and hooks to standardize common scene functionality such as movement, panning, and event dialogue

Publications

A Deeper Dive Into React State Management - *Medium Article*

Website Skeletons & Progressive Web Apps - *Medium Article*

Education

University of California, Irvine

Bachelor of Science, Pharmaceutical Science

Irvine, California

June 2018