

HENRY CHIU

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EDUCATION

University of California, Berkeley

Berkeley, CA

B.A. Computer Science

Expected: May 2024

- Relevant Coursework: Data Structures, Algorithms, Discrete Math, Probability Theory, Linear Algebra, Multivariable Calculus, Artificial Intelligence, Computer Architecture, Database Systems, Computer Security, Operating Systems, Software Engineering

EXPERIENCE

Plaid

San Francisco, CA

Software Engineering Intern

May 2023 - Aug 2023

- Scoped and built an internal app using TypeScript, React, and Redux that allows risk analysts to create new rules, view existing rules, and set rule bypasses on Plaid's anti-fraud rules engine, improving the speed and reliability of risk incident response
- Sped up database performance by refactoring frequently-run Redis calls, reducing run time from minutes to seconds
- Revamped the client onboarding flow using React and Go so that form data is unified in the backend as a single source of truth

Verkada

San Mateo, CA

Software Engineering Intern

May 2022 - Aug 2022

- Overhauled the access control platform's homepage into a widget-based dashboard, featuring live video of selected doors, alerts data, hardware device statuses, door schedules, and user management capabilities, using React, Redux, and TypeScript
- Contributed to Verkada's UI library by creating 10+ functional and reusable React components and custom hooks

Tesla

Palo Alto, CA

Software Engineering Intern

Jan 2022 - May 2022

- Created an internal demo tool for a new Powerwall app using React and TypeScript, which featured real-time Powerwall integration, a CI/CD pipeline, and version switching capabilities, in order to facilitate the development and testing of the app
- Implemented efficient React user interfaces for the new Powerwall app, which cut down Powerwall installation times by 15%
- Introduced 30+ automated UI and unit test suites for Energy apps using Selenium and Mocha, increasing code coverage

Playground

New York, NY

Software Engineering Intern

Jan 2021 - June 2021

- As engineer #4, developed user interfaces for the management platform using React and TypeScript for 15,000+ active users to expedite school management processes

Technology and Innovation Teen Assistance Network

Union City, CA

Instructor, Co-founder

Feb 2019 - June 2020

- Founded a 501(c)(3) nonprofit that aimed to expose local youth to computer science by leading a team of 5 to teach a Java object-oriented programming curriculum to 100+ underrepresented middle school students throughout weekly classes

PROJECTS

Kalenda | Group Meeting Scheduling Platform

Apr 2021

React, Redux, Node.js, REST API, Next.js, TypeScript, HTML, Sass, Firebase, Figma

- Created a full-stack web app to solve the major issues of scheduling group meetings, with features like one-click Google Calendar integration, email updates, and custom invite lists, which resulted in a user base of over 300 active users
- Led team of 4 to build the scheduling tool, auth flow, and events dashboard using TypeScript, React, Redux, and custom hooks

James Logan High School Yearbook Store | E-commerce Website

Jan 2020

React, Node.js, REST API, JavaScript, HTML, Sass, Express.js, Firebase

- Engineered an e-commerce website using React, Node.js, and Express.js that accumulated 2,000+ unique visitors
- Deployed a REST API backend to handle 400+ customer transactions, resulting in a monthly revenue of nearly \$2,000

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Go, Python, Java, C, HTML, CSS, SQL

Frameworks and Technologies: React, Redux, Node.js, Express.js, REST API, GraphQL, MongoDB, Next.js, Jest, Git, Redis