

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

EXPERIENCE

Verkada

San Mateo, CA

Software Engineering Intern

May 2022 - Aug 2022

- Overhauled the UI of our entire home page for which I developed a responsive widget-based dashboard using React, Redux, and TypeScript, which improved user content consumption by 4x and reduced action lookup time by 66%
- Contributed to Verkada's UI library by creating 15+ functional and reusable React components and custom hooks

Tesla

Palo Alto, CA

Software Engineering Intern

Jan 2022 - May 2022

- Built an internal app using React and TypeScript, featuring a configurable mock, real-time Powerwall integration, continuous version deployments, and version switching, to facilitate the development, presentation, and testing of our new Powerwall app
- Implemented efficient React user interfaces for the new Powerwall app, resulting in cutting 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

- Developed user interfaces for our financial dashboard, using React and TypeScript, used by 15,000+ active users to expedite school management processes, which resulted in a 97% user referral rate and contributed to securing a \$3M seed round
- Created new marketing site using React, building 20+ responsive pages, which improved inbound marketing leads by 22%

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 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 Google Calendar integration, email updates, and custom invite lists, which resulted in a growing user base of over 500
- Led team of 4 to build our scheduling tool, auth flow, and events dashboard using TypeScript, React, Redux, and custom hooks

HenryURL | URL Shortener and Tracker

Apr 2020

React, Node.js, Express.js, REST API, MongoDB, JavaScript, HTML, Sass, Google OAuth

- Built a clone of Google's discontinued URL shortening service with a React frontend that shortens URLs and a Node.js and REST API backend that serves shortened URLs to a MongoDB database and tracks click rates on shortened URLs

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 1,000+ customer transactions, resulting in a monthly revenue of nearly \$2,000

TECHNICAL SKILLS

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

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