

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 | Access Control

San Mateo, CA

Software Engineering Intern

May 2022 - Aug 2022

- Spearheaded and launched Home Page Revamp project, a customizable widget-based dashboard, using React, Redux, and TypeScript, which improved page data consumption by 4x and reduced action lookup time by 66%, resulting in a measured 99% user satisfaction from initial surveys

Tesla | Energy Devices

Palo Alto, CA

Software Engineering Intern

Jan 2022 - May 2022

- Built a tool app using React and TypeScript, featuring a configurable mock, physical Powerwall connectivity, continuous deployments, and version switching, to facilitate the development, presentation, and testing of a new Powerwall app
- Engineered efficient React user interfaces for the new Powerwall app, resulting in cutting Powerwall installation times by 15%
- Introduced automated UI and unit tests for Energy apps using Selenium and Mocha, increasing code coverage by 1,000+ lines

Playground | School Management SaaS Startup

New York, NY

Software Engineering Intern

Jan 2021 - June 2021

- Developed user interfaces for the 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
- Architected new marketing site using Gatsby, featuring 20+ unique pages, which improved inbound marketing leads by 22%

Technology and Innovation Teen Assistance Network | 501(c)(3) Nonprofit

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, Next.js, TypeScript, HTML, Sass, Firebase, Figma

- Created a 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 an active growing user base of over 300
- Led team of 4 to build the scheduling tool, blog pages, and events dashboard using functional React components with hooks

HenryURL | URL Shortener and Tracker

Apr 2020

React, Node.js, Express.js, 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 Express.js 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, 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 RESTful API backend to handle 1,000+ customer transactions, resulting in a monthly revenue of nearly \$2,000

TECHNICAL SKILLS

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

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