

# 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 automated UI and unit tests for Energy apps using Selenium and Mocha, increasing code coverage by 1,000+ lines

### 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 an active growing user base of over 300
- Led team of 4 to build our scheduling tool, auth flow, and events dashboard using TypeScript, React, 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