

Vincent Lin

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EDUCATION

University of California, Berkeley

Expected May 2025

B.A. in Computer Science, Minor in Data Science

- **Relevant Coursework:** Data Structures, Algorithms, Structure and Interpretation of Computer Programs, Discrete Mathematics and Probability, Linear Algebra, Machine Structures, Foundations of Data Science, Principles of Data Science
- **Programming Languages:** Java, Python, JavaScript, HTML, CSS, SQL, TypeScript
- **Technologies:** React, Node.js, Next.js, MongoDB, REST, Git

EXPERIENCE

Web Development at Berkeley

Feb 2023 - Present

Full Stack Developer

- Developed and maintained dynamic web applications using ReactJS, TypeScript, Node.js and MongoDB. Optimized website performance by implementing best practices for SEO, caching, and lazy loading, resulting in a 25% improvement in page load speed. Streamlined development processes by adopting agile methodologies, resulting in a 10% increase in team productivity.

UC Berkeley Electrical Engineering and Computer Sciences (EECS)

Aug 2022 – May 2023

Academic Intern

- Led weekly lab sections for 40+ students, providing expert guidance on Python and Java programming and data structures concepts. Maintained lab curriculum using Git and GitHub, ensuring version control and easy access for students. Designed and delivered mini-lectures on complex course material to improve students' understanding and engagement.

Taiwanese American Student Association @ Berkeley

May 2022 - Dec 2022

Webmaster

- Maintained and updated the organization's website using HTML, CSS, Flask, and jQuery, resulting in a 10% increase in website traffic and a reduction in website load times. Utilized Google Analytics to track website performance and user behavior, allowing for data-driven decision making to optimize website design and user experience.

FourAndHalf Property Management Marketing Agency

Jun 2020 – Aug 2020

WordPress Developer

- Collaborated with web development team to build and maintain 100+ responsive WordPress websites for clients, utilizing JavaScript to create interactive and user-friendly websites. Conducted website audits and testing to identify and address technical issues, resulting in reduction in website errors and improving website security by implementing SSL certificates.

PilotCity

Sep 2019 - Jan 2020

Software Engineer Intern

- Revamped website user interface by creating responsive designs with HTML, CSS, and JavaScript to improve user engagement. Collaborated with business analysts, developers, and infrastructure specialists to identify and address technical challenges, resulting in the successful deployment of new features and improving software performance.

PROJECTS

SnackMatch - github.com/vincenttlin/SnackMatch

- Developed a MERN stack web app integrating Yelp API and featuring a Tinder-style UI to simplify group restaurant selection. Implemented web sockets with sockets.io to sync multiple users in real-time, resulting in a seamless and collaborative experience.

ChattyGPT - github.com/vincenttlin/chattyGPT

- Built an AI chatbot utilizing OpenAI API to generate natural language responses to user inputs. Incorporated chat history management, and successfully developed and tested talk-to-text and text-to-speech functionality using Web Speech API.