Vincent Lin

vincentlin83@berkeley.edu ● (510) 556-0508 ● vincenttlin.github.io ● linkedin.com/in/vincentlin83

EDUCATION

University of California, Berkeley   Expected Dec 2024

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, TypeScript, HTML, CSS, SQL
- **Technologies**: React.js, Node.js, Next.js, MongoDB, REST, Git

EXPERIENCE

Nomify   May 2023 - Present

Software Engineer Intern

- Developed Nomify's digital menu service admin tool using TypeScript, React.js, and PostgreSQL.
- Collaborated with the Engineering team to incorporate NLP search for suggesting products.
- Orchestrated the embedding of user queries via OpenAI and implemented search and match functionality with ChromaDB.

Web Development at Berkeley   Feb 2023 - Present

Full Stack Developer

- Developed dynamic web applications using React.js, TypeScript, Next.js, and MongoDB.
- Directed Unit testing for large-scale web applications and implemented best practices for SEO, caching, and lazy loading.
- 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

- Assisted weekly lab sections for 40+ students, providing guidance on data structures concepts in Python and Java.
- Maintained lab curriculum using Git and GitHub, ensuring version control and easy access for students.
- Designed and delivered mini-lectures on course material, enhancing 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, jQuery, resulting in a 10% increase in website traffic and reduced load times.
- Utilized Google Analytics to track website performance and user behavior, enabling data-driven decision making for optimizing website design and user experience.

PilotCity   Sep 2019 - Jan 2020

Software Engineer Intern

- Revamped the user interface by implementing responsive designs using HTML, CSS, and JavaScript.
- 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*

- A MERN stack web app integrating Yelp API and featuring a Tinder-style UI simplifying group restaurant selection.
- Implemented web sockets with sockets.io to sync multiple users in real-time. Utilized Redux for simple state management.

ChattyGPT - *github.com/vincenttlin/chattyGPT*

- Built an AI chatbot using 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.