Victor Hoang

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Education

University of Southern California — **Expected Graduation: May 2025**
Bachelor of Science in Computer Science — *Cumulative GPA: 3.29/4.0*
- **Relevant Coursework:** Software Engineering, Data Structures & Object Oriented Programming, Algorithms & Theory of Computing, Full-Stack Web Development, Advanced Back-End Web Development, iOS App Development, Applied Python, Intro to Computer Systems, Intro to Internetworking
- **Leadership & Involvement:** President of Beta Omega Phi

Professional Experience

Coinbase — **May 2024 - August 2024**
Software Engineer Intern — *Mountain View, CA*
- Designed and implemented a robust Change Data Capture pipeline to collect unread in-app notifications data
- Leveraged Kafka for data streaming to ensure near real-time updates without incurring additional expenses
- Summarized unread in-app notifications in a new email reminder to increase user activity, interest, and retention
- Integrated GPT-based template generation to enhance the personalization and effectiveness of email content

Tresi — **May 2023 - Present**
Full Stack Web Developer Intern — *Remote*
- Accelerated the development and maintenance of the Tresi website using HTML, CSS, JavaScript, and Liquid
- Designed and implemented a robust Shopify API using Python to streamline product pricing
- Adapted rapidly to changing circumstances in a fast-paced startup environment to resolve emergent issues
- Collaborated effectively with cross-functional teams, including finance, sales, UI design, and marketing

Projects

FryftEats | github.com/VictorH38/FryftEats-2.0 — **April 2024**
Laravel, PHP, HTML, CSS, JavaScript, MySQL, Yelp API
- Created a full stack web application for USC students to find restaurants within the USC Fryft (Free Lyft) zone
- Enabled users to search for restaurants based on various criteria and save their favorite dining spots for easy access
- Utilized the Yelp API to dynamically source restaurant data allowing for up-to-date dining options

FryftEats Mobile | github.com/VictorH38/FryftEats-Mobile — **April 2024**
Swift, SwiftUI, UIKit, REST API
- Developed a mobile application tailored for USC students to locate restaurants within the USC Fryft zone
- Translated web functionality into a mobile platform, keeping feature parity and ensuring seamless user experiences
- Engineered a REST API to expose the existing database and enable data sharing between the website and app

Let's Go Camping! | github.com/VictorH38/Lets-Go-Camping — **March 2024 - April 2024**
React, SpringBoot, Java, HTML, CSS, JavaScript, MySQL, NPS API
- Developed a full stack web application that allows users to search for parks to visit based on various attributes
- Introduced features allowing users to update their favorite park list and to see park suggestions between friends
- Designed an architecture featuring a React client-side and a SpringBoot server-side for efficient data processing

ChatSupport | HackSC 2023 | github.com/VictorH38/HackSC-2023 — **February 2023**
Python, CSS, TypeScript, JavaScript, OpenAI API, REST API
- Built a REST API and utilized it with the OpenAI API as well as agentic GPT-3 to simulate personalities
- Enabled users to create an identity by entering diary entries and characteristics and then have a conversation
- Collaborated efficiently in a team of 4 to complete the front end and back end within 36 hours

Technical Skills

- **Languages:** C++, Python, Java, Go, HTML, CSS, JavaScript, PHP, Swift, SQL
- **Frameworks & Technologies:** React.js, Node.js, Django, Laravel, SpringBoot, Tailwind, Bootstrap, Snowflake, MySQL, SQLite, AWS, Google Cloud Platform, Docker, Git, GitHub, Postman, REST, APIs
- **Skills:** Time Management, Teamwork and Collaboration, Organization, Self-Starting