

# Tyler Huynh

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## TECHNICAL SKILLS

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**Languages:** Python, TypeScript, Java, C/C++, HTML/CSS, SQL

**Frameworks:** FastAPI, Flask, Django, Selenium, React, NodeJS, NextJS, Bootstrap

**Tools/Databases:** Figma, Microsoft Azure, PostgreSQL, MySQL, SupaBase, pandas

## EDUCATION

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### University of California, Davis

Davis, CA

*Bachelors of Science in Computational Cognitive Science*

- **Relevant Coursework:** Software Development & OOP in C++, Data Structures & Algorithms, Introduction to Artificial Intelligence, Theory of Computation

### Online Python Boot Camp

*100 Days of Code: The Complete Python Pro Boot Camp*

*July 2023 - Sept 2023*

- Developed core programming skills with a focus on algorithmic thinking, debugging and efficient problem-solving through daily hands-on programming challenges and projects
- Built projects using Python libraries and tools including Tkinter for GUI development, Pandas for data analysis, web scraping with Selenium, and full-stack web development with Flask

## EXPERIENCE

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### Chevron

*Software Engineer Intern*

*Apr 2025 - June 2025*

- Developed a web scraping tool that automated the collection of corporate sustainability data, cutting manual research time per company by **87.5%**.
- Designed and managed a **PostgreSQL** database on **Microsoft Azure** to store and link sustainability metrics across multiple data sources, enabling scalable analysis and real-time insights for dozens of companies.
- Led the front-end development of a dashboard for Chevron analysts using **Next.js** and **Tailwind CSS**, creating core pages and reusable components, coordinating implementation across the team, and integrating FastAPI routes to deliver relevant data from the PostgreSQL database to the UI.

### CodeLab

*Open-Source Member*

*Feb 2025 - Apr 2025*

- Contributed two reusable components to CodeLab's open-source UI library using **Tailwind CSS**.
- **Progress Bar:** Customized a ShadCN component to match Figma design requirements.
- **Stepper:** Implemented a component from concept to creation that is customizable with multi-variant styling.

### CS Tutor

*Teaching Experience*

*Jan 2023 - June 2023*

- Tutored students in introductory programming courses, breaking down fundamental concepts and guiding problem-solving strategies, leading to top-tier academic performance (A+).

## PROJECTS

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### Full Stack Web App

- Developed an interactive and responsive UI website that allows users to post and interact on utilizing **Node.js**, **React**, and **Supabase DB**, gaining fundamental understanding in integration of front-end and back-end components of a dynamic website.

### Stock Trading Alert

- Developed a dynamic stock trading alert program in Python utilizing various **APIs** including: a stock price API (**Alpha Vantage**), **News API**, and SMS API (**Twilio**), enabling real-time monitoring of selected stocks.

### Password Manager

- Designed and implemented a secure password manager application using Python's **Tkinter** library, featuring capabilities for saving, generating, and retrieving usernames and passwords for multiple websites, with data storage facilitated through **JSON** file handling.