

Tyler Lui

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EDUCATION

Ventura College

Ventura, CA

Aug. 2021 – June 2023

De Anza College

Cupertino, CA

Aug. 2022 – June 2023

Cal State Fullerton

Bachelor of Science in Computer Science

Fullerton, CA

Aug. 2023 – Present

EXPERIENCE

Server

August 2020 – August 2023

Lure Fish House

Camarillo, CA

- Demonstrated strong communication and multitasking abilities in a fast-paced environment.
- Provided exceptional customer service and ensured customer satisfaction.
- Collaborated effectively with team members to ensure smooth operation of the restaurant.

PROJECTS

Tuff Parking | Fully Hacks | *Python, Flask, SQLite, HTML, CSS, Leaflet API*

February 2024 – Present

- Participated in Cal State Fullerton's Hackathon as a backend developer for Tuff Parking.
- Developed a full-stack web application using with Flask and JavaScript.
- Designed a web scraping component using BeautifulSoup to extract real-time parking availability data.
- Implemented SQLite for storing and analyzing parking data, ensuring efficient data retrieval and management.

Film Finder | *Flask, MongoDB, React, TMDB API*

March 2024 – Present

- Developed a web application leveraging Flask, MongoDB, React, and the TMDB API.
- Engineered an efficient algorithm that delivers personalized movie recommendations with precision.
- Dynamically updates the database using the comprehensive features of MongoDB.
- Fostered seamless integration between front-end and back-end components through collaborative efforts.

Reminded | CreateSC | *Figma*

April 2024

- Secured finalist position in USC's Designathon for exceptional UI design with Reminded.
- Contributed to a collaborative team effort of three designers to craft the UI for Reminded.
- Developed an inclusive and accessible user interface tailored to the needs of memory loss patients.

ACTIVITIES

Association for Computer Machinery (ACM)

September 2023 – Present

Member

Fullerton, CA

- Actively engaged as a member of the Open Source Software team for ACM's Cal State Fullerton chapter.
- Contributed to the redesign of the chapter's website, implementing front-end techniques and the Svelte framework.
- Engaged in weekly progress meetings, led by the team lead, for task assignment and project review.

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, HTML/CSS, Swift

Frameworks: Flask, React.js, Node.js, Django, Vue.js, Svelte

Databases: Sqlite, MongoDB, SQL

Libraries: Pandas, NumPy, Matplotlib, BeautifulSoup4

APIs: Leaflet API, Mapbox API, Google Maps API

Other Skills: Web scraping, Linux