

## Objective

To obtain a software developing engineer/ UI/UX designer position

## EDUCATION

University of California Irvine — Bachelor of Science

Graduate in Winter 2024

Major: Informatics

GPA: 3.329

Functional Skills: C++, Python, Java, HTML, CSS, TypeScript, JavaScript, Git, Figma, AWS, MongoDB, Dart

Libraries: Flask, Tkinter, BeautifulSoup, Matplotlib, Seaborn, Pandas; Javax, Junit, Mockito, Ionic, Angular, JQuery, bootstrap, react, next.js, tailwindCSS, Flutter, GitPage, GitAction

Conceptual Skills: Data Structure and Algorithm, User experience Research, Web design, Usability Research, UI/UX design, User-centered design; Agile methodology

## Experience

**Trade AI** (Startup in stealth mode): Software Developer & UI/UX Designer July 2023 — Present

- Developing Python scripting for Ai training data
- Designing and implementing Webpage
- Refining the business plan's aesthetic for professionalism.

## Volunteering:

**Canoeing Direction App** - a canoeing direction app designed for New Port Beach

Canoeing Team

July 2023 — Present

- Co-developing a Flutter-based mobile app to aid canoeing team navigation.
- Implementing map interface with OpenStreetMap API for precise geolocation.
- Designing front-end architecture focused on usability and team performance.
- Collaborating with backend team for smooth feature integration.

## PROJECTS:

**Preloved** - a second-hand product e-commerce app based on community sections.

March — June 2023

- Implemented a responsive Ionic-Angular web app with Figma-designed UI and interactive prototypes.
- Utilized Back4App for backend management and collaborated on API integrations.
- Conducted testing, incorporated user feedback, and documented processes for future maintenance.

**Puerta Abierta** - a financial literacy education website

March — June 2023

- Built and deployed a responsive Next.js/React website, leveraging Tailwind CSS and Material UI for rapid, user-friendly design.
- Optimized performance through team debugging, used Git for code management, and improved UI based on user feedback.
- Ensured seamless communication with stakeholders throughout the development lifecycle.

**Custom Search Engine**

March 2023

- Built a high-performance search engine for indexed websites, delivering results under 100ms.

- Implemented a user-friendly GUI on a local Flask server.
- Engineered to handle high data volume effectively.

## **Weather Data Visualization**

November 2022

- Visualized 2017 U.S. daily weather data using Python, Pandas, and Matplotlib.
- Analyzed comfort for summer/winter holidays and state-wise rainfall/snowfall patterns.
- Investigated significant temperature changes in Alaska.

## **Distributed Social Terminal Application**

March 2022

- Developed a Python-based terminal application with a Tkinter GUI.
- Integrated LastFM and OpenWeather APIs for music and weather data respectively.
- Enabled user account creation and local data storage.