Yiyu Weng

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EDUCATION

UC San Diego   **Expected: June 2024**

Bachelor of Science in **Mathematics-Computer Science**

Minor in **Psychology**   San Diego, CA
- GPA:3.8/4.0

EXPERIENCE

Volunteer at UCSD UJIMA Security & Privacy Lab, CA   **June 2023 – Present**
- Designing and implementing an AI chatbot

Software Engineer, Neuro Leap Crop, CA   **January 2023 – Present**
- Collaborated with the team to gather user requirements and design specifications for the frontend of the application.
- Utilized HTML/SASS/JavaScript/React and WebAPIs to develop the frontend interface and functionality for Neuroleap's IoT software solution.
- Collaborated with the backend team to assist with database migration and API usage.

Analytics Viz Platform   **April 2023 – Present**
- Utilized HTML/CSS/JavaScript and PHP to develop and implement an analytical visualization web platform that collects data from various websites and apps.
- Utilized RESTful APIs to establish connections and retrieve data from various websites.
- Utilized MongoDB as the backend data store for efficient data storage and retrieval.

COVID-19 Demographic Impact Analysis   **January 2023 - March 2023**
- Conducted In-Depth Analysis on COVID-19's Impact on Demographic Groups: Age, Gender, and Pre-existing Conditions with relevant datasets from the CDC containing medical records and demographic information while ensuring privacy protection.
- Utilized Python for exploratory data analysis (EDA), linear modeling, and data visualization.

Online Photoshop   **September 2022 – December 2022**
- Collaboratively designed and developed a full stack web app allowing users to edit photos, and store edited photos, by HTML/CSS/JavaScript and WebAPIs.
- Conducted E2E tests and unit tests to ensure that the application was easy to use and met the needs of our users.
- Built CI/CD Pipeline using Github Actions

Envision Volunteer   **October 2021 – March 2022**
- Volunteered at the UCSD Arts and Engineering Maker Studio, teaching and training students how to use prototyping and design tools such as 3D printers and laser cutters.

SKILLS

- **Programming Languages**: C++, Java, Python, JavaScript,HTML/CSS, MATLAB, R
- **Framework:** React, Node.js, express, RESTful API
- **Development Tools:** Linx, Bash, Git, GDB, MongoDB, SQL