Yuxing Liu

503-380-5765|yuxingliu0826@gmail.com |www.linkedin.com/in/yuxing-liu-profile

EDUCATION

UNIVERSITY OF CALIFORNIA, SAN DIEGO   Expected June 2026
B.S. Mathematics-Computer Science| Minor in Data Science

PROFESSIONAL EXPERIENCE

Research Assistant, School of Global Policy and Strategy UC San Diego   April 2024 - Present

- **Designed** and **implemented** new features in a Python-based web scraping tool to extract data from 3+ APIs, **enhancing** the scope of global digital media analysis.
- **Conducted** quantitative analysis on 200+ cross-platform profiles using Python, **identifying** patterns of data manipulation and **implementing** features to track metrics.
- **Built** a machine learning model using Python to classify text data from 1,000+ videos, **identifying** propaganda patterns for enhanced media analysis.

Data Analyst Intern – RunBuggy   Nov 2025 – Present

- **Performed** exploratory data analysis (EDA) on transportation datasets, **cleaning** and **standardizing** data using SQL for better accuracy and actionable insights.
- **Created** Tableau dashboards to **visualize** key metrics such as cancellation rates and delivery trends, supporting operational decision-making.
- **Engineered** performance metrics using Python (Pandas, NumPy) and SQL to analyze operational trends. Partnered with cross-functional teams to define evaluation criteria using external sources like Yelp and Google.

Data Science Fellow – Halıcıoğlu Data Science Institute   Nov 2025 – Present

- **Developed** a robotic flower prototype integrating computer vision and sensors, analyzing hardware performance with Python and Raspberry Pi.
- **Enhanced** system responsiveness through real-time data analysis, ensuring seamless operation of the robotic prototype for interactive applications.
- **Design** fiber-optic systems using computer vision to map and reconstruct human facial images for advanced imaging applications.

PROJECT EXPERIENCE

Mergers & Acquisitions Toolkit (Data Science Student Society Project lead)

- Led a team to develop a Python-based GUI tool for analyzing mergers, integrating SQL for data filtering, and building a Scikit-learn **predictive model** to forecast outcomes while visualizing financial metrics with **Seaborn and Matplotlib**.

Machine Learning Engineer, Menolearn Project

- **Collaborated** with healthcare experts to design and train an AI chatbot using **NLP**, providing personalized health guidance. Integrated medical datasets to enhance chatbot recommendations.

SKILLS

Technical Skills: AWS, Python, R, MySQL, Excel, NumPy, Pandas, Tableau, Raspberry Pi, SolidWorks
Project Management: Agile methodologies, sprint planning, milestone tracking
Additional Skills: Native speaker in Mandarin, Capable of Photoshop, Illustrator, Managing social media