Xuewen (Daphne) Yang

Motivated fourth-year undergraduate at UC San Diego. Fast learner and adaptable to new technologies. Seeking practical experience and eager to contribute to software engineering and data science projects. Open to internships and entry-level positions for continuous learning and growth.

💼 EXPERIENCE

Walmart Global Technology, *Sunnyvale, CA*
June 2023 - Aug. 2023

Software Engineer II Intern
- Worked at the Measurement & Reporting team within the Ad. Tech.

University of California San Diego, *La Jolla, CA*
May 2021 - June 2023

Advancement Data and Business Intelligence Assistant
Nov. 2022 – June 2023
- Worked on the embedded data and reporting team that supports the university's fundraising department.
- Worked on data maintenance tasks such as:
  - Managed a large number of constituent update requests and maintenance tasks
  - Organized, maintained, and worked through various exception reports
  - Standardized and implemented standardizations to current data and processes
  - Other system and data tasks as assigned

Math Course Reader/Grader
Oct. 2022 – Mar. 2023
- Graded homework for 200+ students in MATH 11 - Calculus-Based Introductory Probability and Statistics in FA 22 and WI 23.

Admissions Processing Student Assistant
May 2021 – Sept. 2021 & Apr. 2022 – Aug. 2022
- Indexed transcripts and test scores remotely using Admissions Document Imaging System.
- Maintained confidentiality and ensured efficient document processing.

Exams Proctor
Nov. 2021 – June 2022
- Proctored some physics final exams and quizzes
- Assisted professors and teaching assistants in distributing exam papers and collecting exam papers.
- Reported any academic violations to the professor/TAs.

✎ PROJECTS

Predictive Analysis on Clothing Fit
Sept. 2022 - Dec. 2022
- Developed a predictive model for clothing fit based on user measurements using Python.
- Conducted exploratory analysis to uncover insights on size distribution.
- Implemented baseline and enhanced models using scikit-learn and pandas, achieving high accuracy.
- Balanced the dataset to address class imbalance and improve model performance.
- https://github.com/wehu5/CSE158_Assignment2/blob/main/CSE158_A2_Written_Report.pdf

Rank Prediction of New York City Police Officers based on Civilian Complaints
Mar. 2022 - June 2022
- Developed a predictive model using DecisionTreeClassifier to rank New York City police officers based on civilian complaints.
- Improved accuracy significantly from 0.13 to 0.34 through feature engineering and model optimization.
- Conducted fairness analysis and performed a permutation test to assess potential biases in the model's performance.
- https://github.com/daphneyyy/DSC80_Proj5/blob/main/proj5.ipynb

👤 CONTACT

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https://www.linkedin.com/in/xuewen-daphne-yang/

✊ SKILLS

- Python, Java, C/C++, SQL
- Jupyter Notebook, Git, Pandas, Linux
- MS Office (Word, Excel, PowerPoint, Outlook), Google suite (Docs, Slides, Sheets)

🚩 LANGUAGES

English
Chinese (Cantonese and Mandarin)

🎓 EDUCATION

University of California San Diego
- *La Jolla, CA*
Sept. 2020 - Mar. 2024 (expected)
B.S. in Mathematics - Computer Science
B.S. in Data Science
GPA: 3.9+/4.0
Awards: Mae Brown Scholarship, Errett Bishop Scholarship, Provost's Honor