

# Xuewen (Daphne) Yang

Motivated third-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

### University of California San Diego, La Jolla, CA

May 2021 – June 2023

#### - Advancement Data and Business Intelligence Assistant

Nov. 2022 – June 2023

- Working on the embedded data and reporting team that supports the university's fundraising department.
- Work on data maintenance tasks such as:
  - Managing a large number of constituent update requests and maintenance tasks
  - Organizing, maintaining, and working through various exception reports
  - Standardizing and implementing 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

- Proctor some physics final exams and quizzes
- Assist professors and teaching assistants in distributing exam papers and collecting exam papers.
- Report any academic violations to the professor/TAs.

## PROJECTS

### Predictive Analysis on Clothing Fit using RentTheRunway Dataset

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](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](https://github.com/daphneyyy/DSC80_Proj5/blob/main/proj5.ipynb)

## CONTACT

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### Linkedin

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

## SKILLS

- Python, Java, 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