Xuewen (Daphne) Yang

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Software Engineer II at Walmart Global Tech and part-time M.S. Data Science student at UC San Diego, known for adaptability, attention to detail, and a drive to build scalable, data-driven solutions.

WORK EXPERIENCE

Walmart Global Technology, Sunnyvale, CA   **July 2024 - Present**
Software Engineer II
- Worked at the Measurement and Reporting team in AdTech.
- Maintaining and enhancing data pipelines using Spark, Scala, Ruby, Java, Python, and SQL to support advertising performance reporting.

Walmart Global Technology, Sunnyvale, CA   **June 2023 - Aug. 2023**
Software Engineer II Intern
- Worked at the Measurement and Reporting team in AdTech.
- Created Tableau dashboards to visualize key advertising metrics, enabling stakeholders to monitor campaign performance and identify optimization opportunities.

University of California San Diego, La Jolla, CA   **May 2021-March 2024**
Advancement Data and Business Intelligence Assistant [*Nov. 2022 – June 2023 & Sept. 2023 - Dec. 2023*]
- Worked on the embedded data and reporting team that supports the university's fundraising department.
- Managed a large number of constituent update requests and maintenance tasks
- Organized, maintaining, and worked through various exception reports

Math Course Reader/Grader [*Oct. 2022 – Mar. 2023 & Oct. 2023 - March 2024*]

- Graded homework for over 200 students in MATH 11 (Calculus-Based Introductory Probability and Statistics), MATH 173A (Optimization Methods for Data Science I), and MATH 2 (Introduction to College Mathematics).

Admissions Processing 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.

EDUCATION

University of California San Diego   **La Jolla, CA**
M.S. in Data Science   *09/2024-Present*
GPA: 3.825/4.0
Awards: MDS Supplemental Scholarship

University of California San Diego   **La Jolla, CA**
B.S. in Mathematics - Computer Science & B.S. in Data Science   *09/2020 - 03/2024*
GPA: 3.89/4.0
Awards: Mae Brown Scholarship, Errett Bishop Scholarship, Provost's Honor

PROJECTS

Scoring Risk of Default Using Banking Transaction Data
- Developed an innovative cash score model for **assessing credit risk** of first-time loan and credit card applicants.
- Led data analysis, income estimation, and feature derivation processes, ensuring robust risk assessment.

- Achieved **84% accuracy** and **0.87 AUC** with **XGBoost** model, identifying top 40% risky borrowers with < 8% default rate.
- Provided actionable insights on top three default risk factors, contributing to enhanced lending decisions and inclusive practices.

SKILLS

- **Programming Languages**: Python, Java, C/C++, SQL, MATLAB, JavaScript, Scala,
- **Tools**: Jupyter Notebook, Git, Pandas, Linux, MySQL, Google BigQuery, Tableau
- **Software**: MS Office (Word, Excel, PowerPoint, Outlook), Google suite (Docs, Slides, Sheets)
- **Speaking Languages**: English, Chinese (Cantonese and Mandarin)