

# Xinyi Wu(吴昕倚)

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## Education

- **University of Wisconsin Madison, USA** **Expected May.2028**  
3.85/4.0 Bachelor's Program in Computer Science (BS, Honor program)

## Personal Profile

- **Research Interests:**  
AI, ML, Deep Learning
- **Inspiration:**  
Fascinated by biochemistry in high school and inspired by the transformative role of AI, I developed a strong interest in the intersection of AI for science. I believe AI+X holds great potential to solve real-world challenges, and I am committed to pursuing this direction through both academic research and long-term career development.
- **Languages:** English Duolingo 120 TOEFL 93  
Chinese(Native language)

## Working Experience

### 1. Fintech Job

06/2024 – 09/2024

- Conducted data analysis and database management with SQL, enhancing query efficiency and data integrity. Participated in a bank-wide modeling competition, focusing on credit risk prediction for small and micro enterprises through data cleaning, exploratory analysis, and visualization using low-code tools. Built and evaluated a logistic regression model for loan risk assessment, gaining practical fintech and credit risk management experience.

## Research Experience

### 1. UW – Madison | Data Science Enrichment Program Member

- Participated in a data science enrichment program, working with real-world swipe data from UW Madison gyms. Engaged in data collection, cleaning, exploratory data analysis, and hypothesis testing. Collaborated with a team to develop research questions, apply statistical models (linear/logistic regression, decision trees), and analyze patterns using Python, Pandas, and scikit-learn. Gained hands-on experience with Git, Markdown documentation, and scientific reporting through Jupyter Notebooks.
- Analyzed daily, monthly, and yearly trends in gym attendance using real-world swipe data, identifying factors contributing to fluctuations. Conducted comparative analysis by integrating data from other campus facilities, such as dining halls and libraries, to explore potential correlations. Utilized Python, Pandas, and scikit-learn for data processing, visualization, and statistical modeling. Documented findings in a research report, applying hypothesis testing and predictive modeling techniques. Collaborated with a team to present insights through Jupyter Notebooks and scientific reports.

## Technical Skills

- **Deep Learning:** Python, PyTorch, JAVA
- **Data Analysis and Visualization:** R, Pandas, Numpy