

# Shulei (Millie) Wang

shuleiwangluther@gmail.com | 507-601-2369 | Winona, MN | [Linkedin](#)

## EDUCATION

**Bachelor of Arts, Luther College, Decorah, IA**

Graduated May 2025

**Double Major:** Computer Science, Religion

Cumulative GPA: 3.77/4.0

Honor: Dean's list for all semesters

Study Abroad: Waseda University, Tokyo, Japan

Oct 2023 - Jan 2024

## TECHNICAL SKILLS

**Languages:** Python (Pandas, Numpy, Seaborn), SQL, R, VBA, Java, JavaScript

**Tools:** Tableau, Power BI, Microsoft Excel (VLOOKUP, Pivot Tables, Conditional Formatting), Github, Jupyter Notebook

**Techniques:** Exploratory Data Analysis, Statistical Modeling, Predictive Analytics, Data Visualization, A/B Testing

## RELEVANT COURSEWORK

Data Analytics & Business Decision Making, Intro to Deep Learning, Relational Database and Data Modeling, Data and Social Media Analysis, Computer Networks, OOP with Java, Algorithms and Data Structures

## WORK EXPERIENCE

**Data Science Intern**

Feb 2024 – Aug 2024

**Mayo Clinic, Rochester, MN**

- Developed deep learning models for radiographic image segmentation using MONAI and PyTorch.
- Built computer vision algorithms to process and analyze spinal DICOM images.
- Collaborated with surgeons and data scientists for data cleaning and presented findings in weekly team meetings.
- Documented work with GitLab, ensuring reproducibility and cross-functional visibility.

**Technology Help Desk Technician**

Oct 2021 – May 2022

**Luther College, Decorah, IA**

- Resolved technical issues for over 100 students and faculty, supporting software, networking, and hardware troubleshooting.
- Improved team workflows by documenting recurring solutions and updating support manuals.
- Maintained high user satisfaction with prompt and effective remote and in-person support.

## PROJECTS

**E-commerce Sales Dashboard | SQL, Tableau, Excel**

June 2025

- Queried the Superstore sales dataset using SQL to extract key performance indicators (KPIs) such as total sales, profit margins, and order volume across categories, segments, and regions.
- Analyzed and interpreted key business metrics, including revenue trends, profit margins, and order volume.
- Created an interactive Tableau dashboard featuring time series analysis, category-level insights, and regional performance mapping.
- Provided actionable recommendations for business optimizations based on in-depth analysis and dragonized profitability issues, translated business requirements into technical specifications.

**HR Attrition Analysis | Python, Pandas, Seaborn, Excel**

May 2025

- Conducted exploratory data analysis on an HR dataset to uncover patterns in employee attrition.
- Built a logistic regression model to predict likelihood of employee exit based on department, job role, and satisfaction score.
- Visualized correlations and presented recommendations to reduce turnover in at-risk departments.

**Feather App | React Native, Typescript, Node.js, Python**

Aug 2024

- Collaboratively built a social media application integrating Boid's algorithm, enabling location-based content discovery.
- Designed and implemented TypeScript-based UI components and Node.js APIs.
- Introduced TypeDoc for automated code documentation, improving maintainability and transparency.
- Employed Jest and Pytest for automated testing, achieving over 80% coverage.

## OTHER

**Languages:** English, Chinese(fluent), Japanese(fluent)

**Hobbies:** yoga, photography