

# Shulei (Millie) Wang

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## EDUCATION

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

Graduating May 2025

**Double Major:** Computer Science, Religion

Cumulative GPA: 3.77/4.0

Honor: Dean's list (all semesters), Douglas L. Esse '71 Award in Political Science & Religion

Study Abroad: Waseda University, Tokyo, Japan

Oct 2023 - Jan 2024

## TECHNICAL SKILLS

**Languages:** Python, SQL, VBA, JavaScript, Java, HTML, CSS

**Tools:** Git, Pandas, NumPy, Tableau, Excel, React, PyTorch, MONAI

## RELEVANT COURSEWORK

Data Analytics & Business Decision Making, Data Modeling and Querying, Data and Social Media Analysis, Web Programming, Intro to Deep Learning, Computer Networks, Object-Oriented Programming (Java), Computational Models

## WORK EXPERIENCE

**Business Systems Analyst**

July 2025 – Present

**First Supply,** West Salem, WI

- Utilized SQL queries to extract, clean, and analyze business data from PostgreSQL databases, supporting system requirements and migrations.
- Developed Python scripts for data cleaning and preprocessing, reducing manual cleaning time by more than half and minimizing human errors.
- Gathered requirements from business stakeholders and automated Excel workflows with VBA macros, reducing manual data handling time by nearly 10 hours per week.
- Supported production business applications by investigating data discrepancies and assisting with user error resolution
- Assisted User Acceptance Testing (UAT) for system enhancements, validating data integrity across datasets and systems.

**Machine Learning and Data Scientist Intern**

Feb 2024 – Aug 2024

**Orthopedics Surgery AI Lab (OSAIL), 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, resulting time taken for image annotation to from 5 minutes to two seconds per image.
- 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 tickets for over 100 students and faculty by troubleshooting software, network, and hardware issues.
- Improved team workflows by documenting and updating over a dozen recurring solutions and support manuals.
- Maintained high user satisfaction with prompt and effective remote and in-person support.

## PROJECTS

**E-commerce Sales Data ETL & Analytics Pipeline** | Databricks, PySpark, SQL

Sept 2025

- Designed and implemented an end-to-end ETL pipeline in Databricks using PySpark and SQL, transforming raw sales data into curated tables following a medallion architecture.
- Built scalable, Spark-based data workflow to clean, deduplicate, and normalize large sales datasets with schema standardization.
- Created product level KPIs and time series analysis to support trend monitoring and operational reporting.

## OTHER

**Languages:** English, Chinese, Japanese

**Hobbies:** Yoga, Photography, Dance