Shulei Wang

shuleiwangluther@gmail.com | 507-601-2369 | West Salem, WI | LinkedIn

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, Objected 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