

Ly Xiong

Saint Paul, MN | ly21xiong@gmail.com | [LinkedIn](#)

Master's student in Data Science with strong skills in programming, data structures, and algorithms. Experienced in Python, Java, R, and SQL, with a foundation in machine learning and data analysis. Seeking an entry-level role where I can apply technical skills, analytical thinking, and collaborative development experience to build impactful solutions.

EDUCATION

University of Minnesota | Minneapolis, MN

Expected May, 2026

Master of Science in Data Science

Relevant Sources: Data Mining, ML for Healthcare, Data

Visualization, and Databases

Augsburg University | Minneapolis, MN

Graduated Jun, 2024

Bachelor of Science in Computer Science and Data Science

Minor in Mathematics

Honor of Departmental & Summa Sum Laud

EXPERIENCE

Business Data Assistant | Best Source Electronics Corp, MN

Jun, 2024 - Present

- Develop and maintain a Streamlit application using Pandas and NumPy to automate quoting data cleaning, reducing errors and saving significant manual effort
- Manage vendor communications and relationships to ensure accurate product information and competitive pricing
- Clean, organize, and validate large Excel datasets, improving data quality and accessibility for the sales team
- Analyze data to identify patterns and trends, providing actionable insights that support informed business decisions

Data Science Intern | TRC Companies, Inc, MN

Jun - Aug, 2023

- Developed a Spatial Analysis Engine as a backend developer, utilizing Python and machine learning libraries including Pandas, GeoPandas, and PySAL to model and analyze geospatial data
- Engineered the data pipeline by performing comprehensive data exploration, cleaning, and visualization, preparing a robust dataset for model training
- Served as project lead for the final presentation, coordinating team tasks and enhancing skills in leadership, conflict resolution, and technical communication

Research Assistant | Augsburg University, Minneapolis, MN

May - Jul, 2022

- Processed and evaluated quality control metrics on open-access environmental data from the National Ecological Observatory Network, leading to improved data accuracy and reliability for further research
- Utilized R and RStudio for analysis and data visualization to uncover key trends, patterns, and data-driven insights within ecological datasets
- Presented research at The Nebraska Conference for Undergraduate Women in Mathematics

LEADERSHIP/STUDY ABROAD

Innovation & Resistance: Photography and History in Paris & Berlin | Augsburg University

May, 2024

- Studied the intersection of photography, history, and cultural resistance in Europe
- Collaborated with peers on group projects and discussions
- Developed cross-cultural communication and adaptability skills

Stem Peer Mentorship Program (Coordinator)

Sept, 2022 - May, 2024

- Facilitated resources and fostered intentional relationships between mentees and mentors
- Encouraged mentees to deepen their engagement with academic and extracurricular activities
- Organized and executed events and meetings to support the program throughout the academic year

SKILLS

- Git & Microsoft office: github, gitlab, Excel, PowerPoint, PowerBI, Team, etc
- Programming: Python, Java, RStudio, Machine Learning, SQL