
EDUCATION

University of Wisconsin Madison

Degree: Bachelor of Business Administration

Majors: Information Systems & Data Science

Overall GPA: 3.87/4.00 | *Dean's List (six consecutive semesters)*

Madison, WI

May 2026

PROFESSIONAL EXPERIENCE

University Health Services*Informatics Analyst Intern*

Madison, WI

March 2023 - Present

- Accelerated provider onboarding by 50% by creating standardized workflow templates for 300+ medical providers, preventing an estimated 10+ security incidents monthly.
- Generated 25+ SQL reports monthly for non-technical department leaders, reducing reporting time by 10+ hours monthly.
- Redesigned medical templates and patient intake forms, increasing submitted completion rates to 100% and reducing data entry errors, saving nurses 3+ hours weekly on form corrections and patient follow-ups.
- Automated provider and departmental audits using Python, reducing preparation time from 2 days to 3 hours, while maintaining data integrity and accuracy.

Public Education Data Analysis | Python, SQL*University of Wisconsin-Madison — Ongoing Research with Faculty*

February 2025 - Present

- Collaborated with faculty and student researchers for statistical analysis of public education data across all 50 US states, investigating factors impacting student learning outcomes and academic performance.
- Built end-to-end data pipelines using Python's BeautifulSoup4 to scrape metrics from 500+ state websites, and applied cleaning techniques including variable standardization and missing value imputation to ensure analytical reliability.

TECHNICAL PROJECTS

Waste Classification with CNNs | Python, PyTorch

February 2025 - April 2025

- Developed deep learning models (ResNet, MobileNetV3, RegNet) to classify 4,752 landfill images across 9 categories.
- Achieved an 88.9% accuracy fine-tuning ResNet50, closely matching prior work using InceptionV3, leveraging significantly lighter and more efficient models.
- Applied advanced data augmentation to ensure robust predictions and real world deployment of sustainable tech.
- Translated model results into clear visualizations and insights to showcase practical deployment in real-world sorting.

Sales Analytics & Business Intelligence Dashboard | Tableau, Snowflake, SQL

February 2025

- Built executive sales dashboard processing 10K+ transactions, identifying Q1 seasonality trends that represented \$3M+ in revenue opportunity and inventory management, enabling faster decision-making for sales leadership.
- Queried Snowflake warehouse and developed an ETL pipeline to clean and structure data for effective visualization.

NYC2024MarathonAnalysis | Python, Pandas, Seaborn

December 2024 - January 2025

- Analyzed 55K+ marathon participants to identify fundraising optimization opportunities, recommending targeted outreach and marketing strategies projected to increase nonprofit donations by 20% based on demographic segmentation.
- Uncovered demographic trends and pacing patterns with hypothesis testing and intuitive visualizations to communicate findings to non-technical audiences with Python (Plotly, Seaborn, SciPy).

LEADERSHIP & INVOLVEMENT

Data Science Club (DotData)*Active Member*

Madison, WI

January 2024 - Present

- Led team analysis of customer churn data in campus competition, developing a predictive model that achieved 84% accuracy and placed 2nd among 15 teams.
- Engage in workshops on Python, R, and new technologies to enhance proficiency on the applications of data science.

Information Systems Society*Active Member*

Madison, WI

January 2023 - Present

- Volunteered to organize 3 industry speaker events with 50+ attendees, facilitating connections leading to internship opportunities for club members.

SKILLS & INTERESTS

Technical: Microsoft 365, Google Suite, Windows, MacOS, Python, SQL (PostgreSQL), R, HTML, Tableau, Tableau Cloud, Snowflake, Google Cloud Platform, Figma**Languages:** English (Fluent), Indonesian (Fluent), Hindi (Fluent), Spanish (Conversational), Malay (Conversational)