Ryan Hermes

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EDUCATION

University of Minnesota, Twin Cities *Minneapolis, MN*
Curtis L. Carlson School of Management *September 2022 - May 2026*
Bachelor of Science in Business, Major: Business Analytics, Management Information Systems

RELEVANT EXPERIENCE

UnitedHealthcare *Minnetonka, MN*
Data Analytics Intern *June 2024 - Present*
- Created a claims payments monitoring tool for the E&I eCommerce team to investigate trends relating to payment volumes, declines, refunds, customer satisfaction, and disputes.
- Wrangled data using a variety of API's including Stripe, Datadog, and ServiceNow into a PowerBI dashboard, and engineered metrics such as ACH adoption rate and Reactive VOC.
- Identified $30,000 in lost revenue due to fraudulent disputes over a 6-month period, and built a machine learning model to prioritize and alert these wrongful cases for the Optum advisory services team to address.

Atland Ventures *Minneapolis, MN*
Analyst *January 2024 - Present*
- Atland Ventures is the first fully independent, student-led, student-owned, for-profit venture capital firm, not affiliated with the University nor its Endowment fund with $1,800,000 AUM.
- Built a binomial classification model to identify startups with high exit potential by evaluating the founding team, valuation, market growth, retention, and social media sentiment to help guide the sourcing process.

Ready Credit Corporation *Eden Prairie, MN*
Data Analytics Intern *June 2023 - August 2023*
- Aggregated data from hundreds of kiosks to extract insights pertaining to kiosk status, customer information, location tendencies, LOB's outages, logistics, and available cash storage.
- Developed & deployed two dashboards from scratch using agile methods with Python, JS, Git, & GCP.

PROJECTS

Stock Prediction Model *May 2024 - July 2024*
- Constructed a LSTM deep learning model to assist a trading team in determining potential investments.
- Accessed options spread data with the Charles Schwab API and insider trading records using OpenInsider.
- Web scraped Yahoo Finance & CNBC news articles and processed through HuggingFace to determine a news sentiment predicting a stocks' next day direction with 58% accuracy over a two month period.

NFL Big Data Bowl 2024 (via Kaggle) *December 2023 - January 2024*
- Researched the tackling tendencies of defensive NFL players, developed a tackling performance classification model, delivered a report to sports professionals, and presented my findings to a stakeholder.

LEADERSHIP & INVOLVEMENT

College of Science & Engineering Data Science Club - *Founding Member* *February 2024 - Present*
- Participated in weekly discussions with local data scientists to gain insights into their industry perspectives.
- Learned how a data scientist at Infinite Campus built a predictive model for student module completion rate and observed the successful deployment and maintenance of the model.

SKILLS

Hard skills: Python, SQL, RStudio, Microsoft Excel, Power BI, Tableau, Git, Jupyter Notebooks, JavaScript, AWS, GCP, Pandas, Numpy, Scikit-Learn, PyTorch, XGBoost, Catboost
Soft skills: Peer Leadership, Mentoring, Professional Communication