

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 Science Intern

June 2024 - Present

- Created a claims payments monitoring application 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 \$200,000 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, for-profit, student-led & owned venture capital firm not affiliated with the University nor its Endowment fund, managing \$1,800,000 in assets.
- 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, locations, LOB's, outages, logistics, and cash storage leading to a 15% increase in operational efficiency.
- Developed & deployed two dashboards for management using agile methods with Python, JS, Git, & GCP.

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.

PROJECTS

Scout AI | *Project Lead*

July 2023 - Present

- Built a Chrome extension available on the Web Store allowing for easy navigation of web articles by using AI.
- Led the project development to align with best practices, earning a 'featured' tag and 50+ downloads.

Equity Prediction Modeling Tool

May 2024 - Present

- Constructed a convolutional neural network model to assist a trading team in determining investment strategies.
- Accessed options spread data with the Charles Schwab API, web scraped insider trading records from OpenInsider, and web scraped Yahoo Finance & CNBC news articles to determine a news sentiment.

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.

SKILLS

Hard skills: Python, SQL, RStudio, Microsoft Excel, Power BI, Tableau, Git, Jupyter Notebooks, Pandas, Numpy, Scikit-Learn, PyTorch, XGBoost, JavaScript, AWS, GCP

Soft skills: Rapid Learning, Peer Leadership, Mentoring, Professional Communication