

# 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 *Major GPA: 3.5*

## 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.
- Aggregated data from 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-ran, student-owned, for-profit venture capital firm not affiliated with the University of Minnesota 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, customer retention, and social media sentiment.

**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 and deployed two production dashboards from scratch using Python, JS, Git, AWS, & 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.

## SKILLS

Python, SQL, RStudio, Microsoft Excel, Power BI, Tableau, Git, Jupyter Notebooks, JavaScript, Pandas, Numpy, Scikit-Learn, PyTorch, XGBoost, Catboost

## LEADERSHIP & INVOLVEMENT

**Sigma Chi Fraternity - New Member Educator** *September 2022 - Present*

- Led meetings to educate new members, and coordinated an initiation procedure with 100+ active members.
- As a member of the Executive Board, I took part in making decisions on behalf of the chapter.

**Data Science Club - Member** *February 2024 - Present*

- Participated in weekly discussions with local data scientists to gain insights into their industry perspectives.