

# 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 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 \$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