# ANDREW SIMONSON

## Seeking Data Science employment starting in early 2025

@ asimonson1125@gmail.com

**)** (240)-707-1486

asimonson.com

in simonsonandrew

asimonson1125

## **EMPLOYMENT**

## **Data Scientist**

#### **Ecolab**

- 苗 January 2024 December 2024 🎈 Saint Paul, MN
- Liaison for Microsoft in 100-member Al accelerator to establish General Manager Copilot AI for restaurant industry
- Developed platform and ETL to route data from 3 vendors with scalability and ease of monitoring
- Built anomalies and recommendations modeling, resulting in a 20% increase in throughput and speed of service performance

Azure

**Databricks** 

Apache Spark

Data Factory

## **Data Engineer**

#### **Dow Chemical**

- **i** January 2023 May 2023
- Lake Jackson, TX
- Produced data processing suite for Reactive Chem analysts, replacing 4 separate deprecated tools
- Designed report abstractions to preserve data integrity across 9 experimental variations
- Product became the interdepartmental data standard with >1,020 hours (~0.65 FTE) saved annually in pilot demo

MS Azure

Posit Connect/Rstudio

Visual Basic

Docker

# **PROJECTS**

#### RIT Hotspots | • HotspotsRIT

- Geographic migration map of live occupancy data at RIT
- Produced population density predictions and movement stats for advanced population control around 30 localities

#### Slate | C Slate

- Event coordination via calendar vector projection, developed to help CSH coordinate meetings between 80 members
- Pioneered new CI/CD in house services for seamless integration, cutting maintenance pressure points from 6 to 2

# AWARDS AND CERTIFICATIONS



- CSHacks Best use of AI by Paychex
- Tiger Games Social Impact Category Winner

## 



- Career Essentials in Data Analysis by Microsoft
- Docker Foundations Professional Certificate
- Career Essentials in GitHub Professional Certificate
- RIT Entrepreneurial Certificates (x3)

# **EDUCATION**

## Rochester Institute of Technology **UPCOMING Data Science M.S.** Computer Science B.S.

- **(B.S.)** December 2024
- Rochester. New York

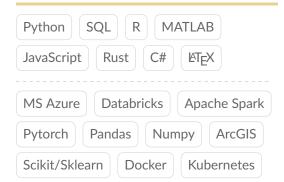
#### **GPA: 3.56**

Dual Cluster in Data Science and Al Minor in International Relations Independent studies:

- Implementations of Probability Theory
- Computational Creativity

May Pursue Data Sci M.S. remote/part-time

# SKILLS



# **ACTIVITIES**

# **Computer Science House**

# 

- May 2021 Present
- Rochester Institute of Technology
- Technical community emphasizing hands-on learning and a strong social atmosphere
- Presented 4 seminars on web scraping and open source analytics
- Created 3 web services to support house activities, collaborated to maintain others

#### **BHS VEX Robotics**

#### **President and Team Lead**

- September 2015 September 2021
- Boonsboro High School
- Created and led development in 3 teams for annual regional VEX Robotics Competitions
- School record for highest state ranking, laid groundwork for community outreach