

ANDREW SIMONSON

Seeking Data Science employment starting in early 2025

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EMPLOYMENT

Data Scientist

Ecolab

 January 2024 – December 2024  Saint Paul, MN

- Liaison for Microsoft in 100-member AI 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](#) [SQL](#)

Data Engineer

Dow Chemical

 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 | 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

Hackathons | devpost.com/asimonson1125

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



Certifications | asimonson.com/certs

- 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 AI
Minor in International Relations

Independent studies:

- Implementations of Probability Theory
- Computational Creativity

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

SKILLS



[Python](#) [SQL](#) [R](#) [MATLAB](#)
[JavaScript](#) [Rust](#) [C#](#) [LaTeX](#)

[MS Azure](#) [Databricks](#) [Apache Spark](#)
[Pytorch](#) [Pandas](#) [Numpy](#) [ArcGIS](#)
[Scikit/Sklearn](#) [Docker](#) [Kubernetes](#)

ACTIVITIES

Computer Science House



Presenter | [Csh.rit.edu](https://csh.rit.edu)

 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