

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

Simone Center Certs | 🌐 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