

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

- Collaborated with Microsoft in AI accelerator to develop General Manager Copilot AI for restaurant industry
- Developed platform and ETL to route data from 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

- Developed data processing tools for Reactive Chem analysts
- Designed report abstraction/pipeline, Managed data integrity
- Works became the interdepartmental standard for data processing procedures

MS Azure

Posit Connect/Rstudio

Visual Basic

Docker

PROJECTS

RIT Hotspots | hotspotsRIT

- Geographic migration map of live occupancy data at RIT
- Produces population density predictions and movement stats

Slate | Slate

- Event coordination via calendar vector projection
- Service provided to CSH to coordinate organizational meetings

Devcade | devcade.csh.rit.edu

- Data Engineer for custom arcade cabinet for developers
- Built game upload pipeline, connecting game uploads to cabinet

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

Computer Science B.S.

UPCOMING Data Science M.S.

(B.S.) December 2024

Rochester, New York

GPA: 3.56

Minor in International Relations

Dual Cluster in Data Science and AI:

- Data Mining
- Machine Learning
- Computer Vision

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#

MS Azure

Databricks

Apache Spark

Pytorch

ArcGIS

Pandas

Numpy

Scikit/Sklearn

Docker

Kubernetes

ACTIVITIES

Computer Science House

Voting Member | csh.rit.edu

May 2021 - Present

Rochester Institute of Technology

- Living and learning community emphasizing hands-on learning and a strong social atmosphere
- Led seminars and contributed to house service projects

BHS VEX Robotics

President and Team Lead

2015-2021

Boonsboro High School

- Competed in the annual regional VEX Robotics Competitions
- Retains school's record for highest state ranking