ANDREW SIMONSON

Seeking Data Science/Engineering employment starting in early 2025

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asimonson1125

EMPLOYMENT

Data Scientist

Ecolab

- **i** January 2024 August 2024
- Saint Paul, MN
- Colllaborated with Microsoft in Al 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

a 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

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

AWARDS AND CERTIFICATIONS

- CSHacks Best Use of Al 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 Computer Science B.S.

- Expected: December 2024
- Rochester. New York

Dual Cluster in Data Science and Al:

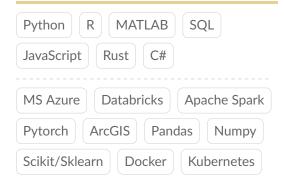
- Data Mining
- Machine Learning
- Computer Vision

Independent studies:

- Implementations of Probability Theory
- Computational Creativity

Minor in International Relations GPA: 3.56

SKILLS



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
- Organization to design, build, and program VEX robots
- Competed in the annual regional VEX **Robotics Competitions**
- Retains school's record for highest state ranking