

# ANDREW SIMONSON

Seeking Data Science/Engineering employment starting in early 2025

✉ asimonson1125@gmail.com

☎ (240)-707-1486

🌐 asimonson.com

🌐 simonsonandrew

🌐 asimonson1125

## EMPLOYMENT

### Data Scientist

#### Ecolab

📅 January 2024 – August 2024 📍 Saint Paul, MN

- Worked with Microsoft in AI accelerator to develop General Manager Copilot AI for restaurant industry
- Performed feature analysis and recommendation modeling for a 10% increase in throughput and speed of service targets
- Developed platform and ETL to route data from vendors with scalability and ease of monitoring

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 and movement statistics

### 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.

📅 August 2021 - December 2024

📍 Rochester, New York

#### Dual Cluster in Data Science and AI:

- Data Mining
- Machine Learning
- Computer Vision

#### Independent studies:

- Implementations of Probability Theory
- Computational Creativity

#### Minor in International Relations

GPA: 3.56

## SKILLS

Python

R

MATLAB

SQL

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/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