

# ANDREW SIMONSON

Seeking Data Science/Engineering employment starting in early 2025

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## EMPLOYMENT

### Data Scientist

#### Ecolab

January 2024 – August 2024 Saint Paul, MN

- Worked with Microsoft to develop General Manager Copilot AI for restaurant industry
- Developed platform to route data from third-party vendors
- Performed feature selection and analysis for a targeted 10% efficiency increase in throughput and rush preparations

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

Scikit/Sklearn

Pytorch

Pandas

Numpy

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