

# 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



    

### 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

## 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](https://devpost.com/asimonson1125)

- CSHacks - Best Use of AI by Paychex
- The Tiger Games - Social Impact Category Winner
- HACK.COMS '24 - Accessibility Category Winner



### Certifications | [asimonson.com/certs](https://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



     
   

## 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