# ANDREW SIMONSON

**Data Scientist Seeking The New Technological Frontier in 20XX**

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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

`Azure`  `Databricks`  `Apache Spark`  `Data Factory`  `SQL`

### 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

`MS Azure`  `Posit Connect/Rstudio`  `Visual Basic`  `Docker`

## 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

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

### Certifications  |  🌐 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
**Data Science M.S.**
**Computer Science B.S.**

📅 **(B.S.)** December 2024, **(M.S.)** December 2026
📍 Rochester, New York

**Undergrad Results:**
GPA: 3.63
Dual Cluster in Data Science and AI
Minor in International Relations
Independent Study in Probabilty Theory

## SKILLS

`Python`  `SQL`  `R`  `MATLAB`

`JavaScript`  `Rust`  `C#`  `LATEX`

`MS Azure`  `Databricks`  `Apache Spark`

`Pytorch`  `Pandas`  `Numpy`  `ArcGIS`

`Scikit/Sklearn`  `Docker`  `Kubernetes`

## ACTIVITIES

### Computer Science House
**Presenter |  🌐  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