ANDREW SIMONSON

Data Scientist Seeking Something Fun To Do (subatomic research labs and deeptech crack teams HMU)

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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 RushReady AI for service industry
- Developed data platform route and process data from vendors with scalability and high observability
- 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

Certifications | 🌐 asimonson.com/certs

- UCSanDiegoX Data Science MicroMasters (4x10wk)
- Career Essentials in **Data Analysis** by Microsoft
- **Docker** Foundations Professional Certificate
- Career Essentials in **GitHub** Professional Certificate
- RIT **Entrepreneurial** Certificates (x3)

Hackathons | 🌐 devpost.com/asimonson1125

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

EDUCATION

Rochester Institute of Technology
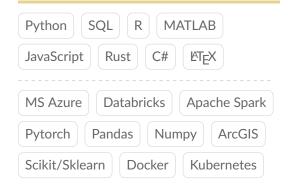
Data Science M.S.
Computer Science B.S.

📅 (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