ANDREW SIMONSON

Seeking Data Science employment starting in early 2025

@ asimonson1125@gmail.com   📞 (240)-707-1486   🌐 asimonson.com   in simonsonandrew   ○ asimonson1125

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

Kitchen Staff
Pretzel and Pizza Creations

📅 April 2021 – August 2021
📍 Hagerstown, MD

Worked part-time as a chef with a team to manage and fulfill orders and manage active ingredient supply

Election Official
Washington County Board of Elections

📅 August 2020 – December 2020
📍 Hagerstown, MD

Trained in voter registry operations and provisional voting for the 2020 US Presidential Election

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

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

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

- 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

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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)