ANDREW SIMONSON

Recent graduate looking for full time Data Science employment starting in early 2025

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EMPLOYMENT

AI/Data Engineer
Co-op with Ecolab

📅 January 2024 – August 2024   📍 Saint Paul, MN

- Worked with Microsoft to develop General Manager Copilot AI for restaurant industry
- Constructed platform to route data from vendors and vision AI
- Performed data analysis to enhance throughput and rush prep

`Azure Stream Analytics` `Databricks` `Vision AI` `Next.JS`

Computer/Information Research Scientist
Co-op with 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` `Python` `Javascript` `Visual Basic` `SQL`

PROJECTS

Slate | ○ Slate | 🌐 slate.csh.rit.edu

- Event coordination via calendar vector projection with custom web service using Flask, Websockets
- Returns combined calendar with participant availability weights
- Adopted by CSH, linked to member profiles via LDAP + SQL

RIT Hotspots | ○ hotspotsRIT | 🌐 asimonson.com/hotspots

- Geographic visualization of live location occupancy data at RIT
- Data scraped from public facilities website via webdriver
- Produces population density and movement statistics

Devcade | 🌐 devcade.csh.rit.edu

- Custom arcade cabinet designed for developers
- Built website, game upload pipeline, and api implementation, connecting game uploads to cabinet

AWARDS AND CERTIFICATIONS

Hackathons | 🌐 devpost.com/asimonson1125

– **CSHacks** - Best Use of AI by Paychex (LogicFlow)
– **Tiger Games** - Social Impact Category Winner (Easy Learning)

Simone Center Certs | 🌐 rit.edu/simonecenter

– **Design Thinking Certification**
– **Ideation Certification**
– **Tools for Innovators Certification**

EDUCATION

Rochester Institute of Technology
Computer Science B.S.

📅 August 2021 - December 2024
📍 Rochester, New York
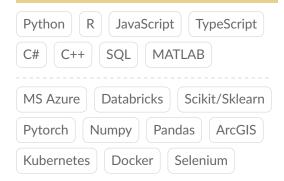
Dual Cluster in Data Science and AI:
- Data Mining
- Machine Learning
- Computer Vision

Independent studies:
- Implementations of Probability Theory
- Computational Creativity

Minor in International Relations
GPA: 3.5

SKILLS

`Python` `R` `JavaScript` `TypeScript`

`C#` `C++` `SQL` `MATLAB`

`MS Azure` `Databricks` `Scikit/Sklearn`

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

`Kubernetes` `Docker` `Selenium`

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