

# ANDREW SIMONSON

Senior seeking co-op or internship in Computer and Data Science for Summer of 2024

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## EMPLOYMENT

### AI Software Engineer

#### Co-op with Ecolab

January 2024 - May 2024

Saint Paul, MN

- Collaborated with Microsoft to develop General Manager Copilot AI for restaurant industry
- Constructed platform to route data from 3rd party vendors
- Refined vision AI to produce actionable insights

Vision AI

MS Azure

C#/ASP.NET

React

SQL

### 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

Azure

Python

Javascript/Plotly.js

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.

Anticipated: December 2024

Rochester, New York

#### Dual Cluster in Data Management and AI Minor in International Relations

GPA: 3.5

## SKILLS

Python

R

JavaScript

TypeScript

C#

C++

SQL

MATLAB

Azure

Node.js

React

Pytorch

Numpy

Pandas

Scikit/Sklearn

OKD4

Kubernetes

Docker

## 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