

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

Bash

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