

# ANDREW SIMONSON

Senior seeking co-op or internship in Computer Science or Data Science for Spring/Summer 2024

@ asimonson1125@gmail.com

(240)-707-1486

asimonson.com

simonsonandrew

asimonson1125

## EMPLOYMENT

### AI Software Engineer

#### Co-op with Ecolab

January 2024 – May 2024

Saint Paul, MN

- Placeholder
- Placeholder
- Placeholder

placeholder

### 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
- Wrote standardized interdepartmental data handling procedures

MS Azure

Python

Javascript/Plotly.js

Visual Basic

SQL

## PROJECTS

### Hotspots @ RIT | [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

### Slate | [Slate](#) | [slate.csh.rit.edu](#)

- Event coordination via calendar scoring/flattening with custom web service using Flask, Websockets
- Links calendars to CSH member profiles with LDAP + SQL
- Returns combined calendar with participant availability weights

### Devcade | [devcade.csh.rit.edu](#)

- Custom arcade cabinet designed for developers
- Devcade Core member
- 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 Certifications | [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

Fifth Year Standing

GPA: 3.5

Dual Cluster in Data Management and AI  
Minor in International Relations

## SKILLS

Python

JavaScript

Java

C

C#

HTML/CSS

SQL

LaTeX

MATLAB

Linux

OKD4

Kubernetes

Docker

Angular

Node.js

React.js

Flask

Sequelize

PostgreSQL

Scikit/Sklearn

Numpy/Pandas

Selenium

ArcGIS

## 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
- Member-led seminars and major project requirements

### BHS VEX Robotics

#### President/Team Lead

2015-2021

Boonsboro High School

- Organization to design, build, and program VEX robots
- Competes in the annual regional VEX Robotics Competitions
- Administration holds record for highest state ranking for BHS