# **ANDREW SIMONSON**

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

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in simonsonandrew

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## **EMPLOYMENT**

## Al Software Engineer

#### Co-op with Ecolab

- **a** 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

- **i** 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

#### 

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

# **AWARDS AND CERTIFICATIONS**

#### 

- 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

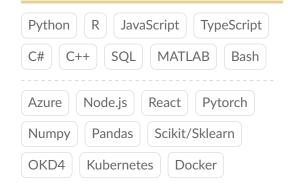
# **EDUCATION**

# Rochester Institute of Technology Computer Science B.S.

- Anticipated: December 2024
- Rochester, New York

Dual Cluster in Data Management and Al Minor in International Relations GPA: 3.5

# **SKILLS**



# **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