

# ANDREW SIMONSON

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

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## EMPLOYMENT

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 abstract report generation pipeline
- Restored data integrity practices

Kitchen Staff

**Pretzel and Pizza Creations**

April 2021 – August 2021

Hagerstown, MD

Election Official

**Washington County Board of Elections**

August 2020 – December 2020

Hagerstown, MD

## PROJECTS

Devcade | [devcade.csh.rit.edu](https://devcade.csh.rit.edu)

- Custom arcade cabinet designed for developers
- Devcade Core member
- Built website and api implementation, connecting game uploads to cabinet

RIT FinTech | [ritfma.com](https://ritfma.com)

- Founding Developer and current lead
- Derived from the RIT Financial Management Association
- Dedicated to learning about and creating automated equity management solutions, developed by students

Slate | [Slate](https://Slate) | [slate.csh.rit.edu](https://slate.csh.rit.edu)

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

OccupyRIT | [Occupy-RIT](https://Occupy-RIT) | [jim.cs.house](https://jim.cs.house)

- Webapp visualizing RIT gym occupancy data in Flask
- Data scraped from public facilities website via webdriver
- Analysis Ongoing

NationsGame Rolls Simulator | [NG-Rolls-Simulator](https://NG-Rolls-Simulator)

- A NationsGame competition simulator for division predictions and statistical analysis
- Uses undocumented NG-API to return processed player data
- Written in Python, added JS port for Discord.js bot integration

## EDUCATION

Rochester Institute of Technology

**Computer Science B.S.**

Anticipated: December 2024

Rochester, New York

Fourth Year Standing

Minor in International Relations

Dual Cluster in Data Management and AI

## 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](https://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