

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

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

RIT FinTech | 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.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.org) | 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.com)

- 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.

August 2021 - May 2025

Rochester, New York

Fourth Year Standing

Minor in International Relations

GPA: 3.4

SKILLS

Python

JavaScript

Java

C

C#

HTML

CSS

SQL

LaTeX

MIPS

Git

Linux

Kubernetes

OKD4

Angular

Node

React

Flask

Sequelize

Selenium

PostgreSQL

SQLite

ArcGIS

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
- 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