

ANDREW SIMONSON

Third year seeking co-op or internship in Computer Science or Data Science for Spring 2024

✉ asimonson1125@gmail.com

☎ (240)-707-1486

🌐 asimonson.com

🌐 simonsonandrew

🌐 asimonson1125

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 | 🌐 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 | 🌐 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

- 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

Processing/P5.js

MIPS Assembly

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