

ANDREW SIMONSON

Senior seeking co-op or internship in Computer Science or Data Science for Spring/Summer 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
- Wrote standardized interdepartmental data handling procedures
- Restored data integrity practices

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

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

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

Fourth 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