ANDREW SIMONSON

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

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in simonsonandrew

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EMPLOYMENT

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 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 | \(\mathbf{O}\) hotspotsRIT | \(\mathbf{\phi}\) 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

- 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

- 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.

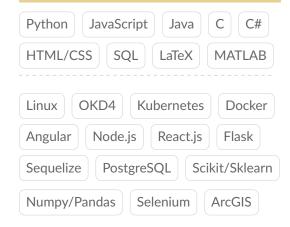
- Anticipated: December 2024
- Rochester, New York

Fourth Year Standing

GPA: 3.5

Dual Cluster in Data Management and AI Minor in International Relations

SKILLS



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