

# CHANCE ROSE

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## EDUCATION

**University of Virginia**, College of Arts & Sciences, Charlottesville, VA  
B.A. Computer Science, Expected December 2024  
Cumulative GPA: 3.37. Computer Science GPA: 3.54.

*August 2021 - Present*

## RELEVANT COURSEWORK

*CS 3240: Advanced Software Development*, **University of Virginia**, Charlottesville, VA

*Spring 2024*

- Developed a whistleblower web-application Django, Bootstrap CSS, AWS S3, and Heroku to build and deploy a functional web-application for users to report environmental abuses.

*CS 4501: Wireless for the Internet of Things*, **University of Virginia**, Charlottesville, VA

*Spring 2023*

- Programmed IoT Nordic Semiconductor and Heltec boards for projects with Bluetooth Low Energy, 802.15.4, Thread, LoRa, NFC, and WiFi. Designed and created an attendance check-in system using NFC, BLE, and WiFi protocols.

## WORK EXPERIENCE

*Teaching Assistant, CS 3130*, **University of Virginia**, Charlottesville, VA

*August 2023 - Present*

- Held office hours and lab sessions to assist students with programming, conceptual questions, and debugging programs in C and Bash.
- Graded weekly quizzes and homeworks and responded to student comments regarding question clarity or misconceptions of material.

*Hybrid Cloud Transformation Developer Intern*, **IBM Federal Consulting**, Washington, D.C.

*May 2024 - August 2024*

- Developed People Data Management System API using a MySQL database, WSO2 Integration Studio and API Manager, and Mulesoft Anypoint Studio. Wrote python scripts to test APIs using requests library and followed TDD processes using Postman. Additionally wrote the PDMS API using a Go lang backend and React Frontend to emulate a full service API platform.

*Cybersecurity Intern*, **Mascoma Bank**, Burlington, Vermont

*May 2023 - August 2023*

- Led targeted spearphishing campaign against the Board of Directors and High-Value Targets through KnowBe4 as part Mascoma's ongoing training regarding phishing attacks. Composed HTML & CSS to craft phishing emails tailored to the organization.
- Conducted User Access Reviews Configured Entitlement Roles for employees. Configured Entitlement Roles to assist reviews.
- Built preliminary risk assessment framework to gauge vulnerabilities within new components for Mascoma's digital banking platform in order to comply with CIS Version 8 and NIST standards and quantify risk in monetary terms.
- Reviewed Mascoma's current and proposed IT Asset Management, Technology Controls and Practices policies, and external audits to recommend new or altered policies and guidelines to better comply with CIS V8, NIST, and federal banking standards.

## EXTRA CURRICULAR ACTIVITIES

- Hereford College Student Senate, Small-Scale Sustainability Programmer. Organized educational banquets focused on climate change issues. Worked with guest speakers to coordinate events.
- Virginia Forestry Club, Member. Worked with City of Charlottesville to remove English Ivy from trees and clean up litter.

## LEADERSHIP

*Freestyle Chair*, **Virginia Alpine Ski & Snowboard Team**, Charlottesville, VA

*May 2023 - May 2024*

- Scheduled and coached weekly practices at Snow flex facility to improve park and general skiing ability of new and returning members.

*Secretary*, **Washington Society at the University of Virginia**, Charlottesville, VA

*August 2022 - December 2022*

- Delivered humorous speeches 'minutes' to over fifty members to begin meetings. Transcribed meetings and noted administrative happenings at Elected Officer meetings.
- Designed, created, and delivered customized congratulatory gifts to 45 newly inducted members based on debates or literary presentations from the semester.

*Small-Scale Sustainability Programmer*, **Hereford Student Senate**, Charlottesville, VA

*August 2021 - May 2022*

- Organized educational banquets focused on climate change issues for a community of 300 residents and faculty. Communicated with guest speakers to coordinate events.

## SKILLS

- Programming Languages etc: Java, Python, C, Assembly x86-64, Javascript, Go, HTML, Bash, React, Bootstrap, Django.
- Software Proficiency: Microsoft Office: Word, Excel, Powerpoint, Teams. Google Office Suite: Sheets, Slides, Docs, Forms. Slack. Mulesoft. WSO2, MongoDB, Kubernetes, Docker.
- Languages: English (Native), Spanish (Basic Conversational).