

# Abel Samson

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## Objective

Passionate Computer Science student with practical experience in programming and a keen interest in software development. Seeking a summer 2025 internship that leverages my coding and problem-solving skills to contribute to innovative projects. Committed to continuous learning and applying theoretical knowledge to real-world challenges in a fast-paced environment.

## Education

**Virginia Commonwealth University**, Richmond, VA

Expected Graduation: **May 2027**

Bachelor of Science in Computer Science

Concentration: Cybersecurity

**Ruth Cheatham Foundation Scholar**- A prestigious award granted to a selected group of 200 students for exceptional academic achievement and leadership.

GPA: 3.4/4.0

**Technical skills:** Java, Python, SQL, IntelliJ, Linux, Windows, Visual Studio Code, Data Structures, Algorithms, Project Management

**Language skills:** Fluent in English and Amharic

## Relevant Courses

Computing and Data Ethics, Introduction to Programming, Concept of Statistics, Calculus 1, Intro to Data Structures, Intro to Discrete Structures, Biological Science, Calculus 2

## Engineering Projects

**Rations Analysis**, Introduction to Programming

**VCU, Spring 2024**

- Designed and developed a Java program to analyze nutritional content of disaster relief rations for Virtuous Crisis Undertakings (VCU).
- Developed an automated system for ingesting and parsing large datasets of nutritional information, including carbohydrates, protein, and fat content, from external text files.
- Implemented robust data validation algorithms to ensure accuracy and consistency across multiple inputs.
- Designed and optimized file handling routines for both input and output operations, streamlining data processing and improving runtime efficiency.

**Shipments**, Introduction to Programming

**VCU, Spring 2024**

- Developed object-oriented Java classes using abstraction and enumerations to model shipments and cargo flights in disaster zones with varying infrastructure, road types, and danger level
- Integrated methods for adding and managing shipments, ensuring the system could track and report the number of shipments per flight with proper formatting and precision.

## Other Work Experience

Deckhand Associate, City Experiences by Hornblower, Alexandria, VA

**June 2024 - Seasonal**

- Assisted in the operation and maintenance of vessel systems, including monitoring technical equipment and ensuring optimal performance of navigation and safety systems.

## Student Organizations & Involvement

**National Society of Black Engineers**, Member

**September 2023 - Present**

- Attended workshops, seminars, and networking events to strengthen technical skills, build professional connections, and explore opportunities in engineering careers.

**Developing Men of Color**, Member

**September 2023 - Present**

- Collaborated with a diverse team of peers to promote academic success, personal development, and leadership among men of color on campus.
- Volunteered in organizing the annual DMC Mixer, which featured workshops on professional development, networking, and cultural identity, attracting over 200 participants.

**Ethiopian Student Union**, Member

**September 2023 - Present**

- Engaged in promoting cultural awareness and community among students of Ethiopian descent and those interested in Ethiopian culture.
- Assisted in organizing the Annual Ethiopian Cultural Festival, which celebrated Ethiopian heritage through music, dance, and traditional cuisine, attracting over 300 attendees from the campus and local community.