

Larnelle Ankunda

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EDUCATION

Howard University

Aug. 2022 – May 2026

Bachelor of Science in Computer Science

Washington, DC

Relevant Coursework: Introduction to Computer Science, Exploring Computer Science, Computer Science 1(Python), Precalculus, Linux Lab, Computer Science 2(Python), Introduction to Cyber security, Calculus 1

Honors/Awards: Howard University Capstone Scholarship, HU College of Engineering Dean's list

Certifications: Oracle cloud infrastructure foundations associate, Microsoft career essentials in Generative AI, Microsoft career essentials in Data Analysis, Duke University Python programming Fundamentals

EXPERIENCE

Tech Exchange Scholar

Jan. 2024 – Present

Google

Washington, DC

- Accepted into the Google tech exchange program with the opportunity of attending multiple computer science courses provided by industry experts amongst a cohort of students that are dedicated to academic excellence from other HBCUs and HSIs.

Undergraduate Student researcher

Oct. 2023 – Present

Howard University

Washington, DC

- Conducting a research study on understanding the learning obstacles students face in tracing code on specific, concrete inputs, and the obstacles they ultimately face in generalizing that reasoning to abstract, symbolic inputs.

Cybersecurity Scholar

Sept. 2023 – Nov.2023

Codepath

Washington, DC

- Studying fundamental concepts on computer security and gaining knowledge on how to mitigate cyber threats and safeguard digital assets by working on weekly personal projects.

CAMPUS INVOLVEMENT

Club Member

Aug. 2022 – Present

National Society of Black Engineers

Washington, DC

- Attending and participating in meetings with like-minded black engineers who aim to succeed academically and positively impact the communities around them.

PROJECTS

Multi-scanner | *Python, Shell scripting*

Aug. 2023 – Present

- Conducted personal research on mitigation strategies that can be used to reduce the risk of network intrusions to an acceptable level.
- Building Network, Port, and WiFi scanners as well as a firewall for WiFi using the scapy and socket libraries and demonstrated knowledge of socket programming in python.

Slot Machine | *Python*

Oct. 2023 – Nov. 2023

- Created a text based slot machine using python that allows bets to be placed on specific lines and provides your balance as well as how much money you've deposited.
- Demonstrated knowledge of how to create a matrix, use nested lists, and anonymous variables.

Password-crack-athon | *Shell scripting, linux*

Oct 2023 – Nov. 2023

- Used John the ripper, a password cracking tool to crack as many hashes as possible in a (fictional) leaked password file, modeled after the 2012 LinkedIn Hack and 2016 Yahoo Data Breaches.
- Cracked 250 passwords by implementing John commands, different wordlists and a built-in ruleset.

TECHNICAL SKILLS

Languages: Python, shell, C/C++, SQL, Java, JavaScript

Developer Tools: Git, Oracle Cloud Infrastructure