

OLUWASEUN NOAH ADEYEYE

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EDUCATION

Howard University, Washington, DC

May 2026

Bachelor of Science in Electrical Engineering with Minor in Computer Science and Mathematics

Major Coursework: Fundamentals of Digital Systems, Engineering Programming, Calculus I-III, Physics I-II, Differential Equations

Minor Coursework: Computer Science I, Computer Science II, Applied Data Structures

SKILLS

Coding Languages: Python (5yrs), C++ (3yrs), Julia (2yrs), Swift, Kotlin, React Native

Developer Tools: VS Code, Xcode, Android Studio, GitHub, Autodesk, Microsoft suite, Paraview, AWS

RESEARCH AND STEM EXPERIENCE

Stanford Undergraduate Research Fellowship (SURF)

Summer 2024

Summer Researcher

Palo Alto, California

- Enhanced the efficiency of triplet-triplet annihilation upconversion by increasing its effective quantum efficiency by 4x.
- Conducted wet lab research, performing experiments using techniques such as spin coating, evaporation, and optical spectroscopy.
- Designed experiments to minimize the loss of effective quantum efficiency caused by oxygen exposure in samples.

NASA Jet Propulsion Laboratory (JPL)

Summer 2023 - Present

Summer Intern

Pasadena, California

- Developed an open-source simulation tool for exoplanet imaging using the Julia programming language.
- Coded optimal pupil-apodization basis sets to illustrate eigenvalues that minimize solar interference.
- Programmed in C++ and Julia, expanding my toolkit to effectively address scientific challenges.

Howard University Researcher

Summer 2023 - Present

Student Researcher

Washington, D.C.

- Continued research with NASA JPL, optimizing the open-source simulation tool and collaborating with other students to improve research outcomes.
- Effectively taught students the Julia programming language and guided them in using GitHub to organize their code.

PROJECTS

Rooted: University Hub | [Website](#) [iOS App](#)

January 2023 - Present

- Co-founded Tree Technologies, a company focused on developing innovative digital applications for universities.
- Created a centralized platform that enables students to seamlessly connect with Howard University's technology infrastructure.
- Built using React Native and AWS, encompassing both the frontend and backend of the application.

LEADERSHIP / EXTRACURRICULAR

Howard University Student Association

Spring 2023 - Fall 2024

Senator

Howard University

- Elected to represent the School of Engineering and Architecture in Howard's Senate. Notable achievements include passing legislation such as the "Project Gift-back" and "Flowers Project" Acts, which focused on giving back to Howard University workers and administration.

Bethel Campus Fellowship

January 2024 - Present

Men's Fellowship Coordinator

Howard University

- Serve as a CoLabourer in my school's ministry, organizing events such as Men's Fellowship, Bible study, and more.

HONORS AND AWARDS

Karsh STEM Scholar, Selected as a member of the 6th cohort of Howard University's Karsh STEM Scholars Program.

HU Empower 1st Place Winner, Won \$20,000 for Tree Technologies by securing first place in HU Empower's 5th annual pitch competition.

Dean's List, Recipient of the Howard University College of Engineering and Architecture Dean's List, 2022 - 2024.

PLTW Certificate, Awarded for completing the Project Lead the Way Engineering Academy.

James E. Blackwell Scholarship, Recognized for dedication to solving practical problems and striving to improve the world.