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 *Cumulative GPA: 3.69*

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**

Co-Founder *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.

Google Tech Exchange **Spring 2024**

2024 Cohort *Mountain View, California*

- Selected for the Google Tech Exchange program an immersive experience that provided in-depth exposure to cutting-edge technologies and industry practices.
- Collaborated with industry experts and fellow students on real-world projects, gaining valuable insights into Google's innovative approach to solving complex challenges.
- Developed proficiency in the latest tools and technologies, enhancing my technical skill set and problem-solving abilities.

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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.

REFERENCES

Dr. Su Yan, Assistant Professor
su.yan@Howard.edu

Dr. Ronald Smith, Director of the Karsh STEM Scholars Program
ronald.smith1@howard.edu

Dr. Pin Chen, Jet Propulsion Laboratory, Science Division
pin.chen@jpl.nasa.gov