

# Mamadou Niamba

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240-528-0437

Silver Spring, Maryland

Motivated, persistent college student with engineering aspirations. Primarily focused in Mechanical Engineering with experiences in computer science with Verizon and IBSS. A driven student with a powerful work ethic demonstrated through his academic vigor.

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## EDUCATION

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### University of Maryland, College Park, MD

#### Class of 2028, Scholars Program

#### Bachelors of Science in Mechanical Engineering

- ❖ **Relevant Coursework:** Introduction to Engineering Design(ENES102), Introduction to Computer Aided Design (ENME272)
- ❖ **Involvement:** National Black Engineering Society, Engineers Without Borders, Black Student Union

### Springbrook High School, Silver Spring, MD

#### Class of 2024

- ❖ **GPA:** 3.79 / 4.0 - Unweighted 4.64/5 - Weighted
- ❖ **Relevant Coursework:** Intro Engineer Design, Principles of Engineering, Digital Electronics, Civil Engineering
- ❖ **Honors:** National Honors Society, English Honors Society, Mu Alpha Theta Math Honors Society, NAF Academy of Information Technology Graduate, MCPS Certificate of Meritorious Service, Maryland Certificate of Merit, Honor Roll Student for the entirety of Middle to High School Career, College Board AP Scholar/ Member of National African American Recognition Program

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## INTERNSHIPS

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#### ❖ Friends Of White Oak Intern - Summer 2023

- Aided Nonprofit in organizing and executing Community Outreach events in the East County, Engaged in Meetings alongside Local Council Members, Curated Community Directory for the greater White Oak Area

#### ❖ IBSS Cyber Security Intern - Spring 2024

- Shadowed and conducted research regarding cyber security alongside team of six interns under Governmental Contractee IBSS

#### ❖ Verizon Data Engineer Intern - Summer 2024

- Developed interactive 5G network failure Report through the use of SQL and Python. The report indicated malfunctions in a crucial hardware component and depicted the regional Verizon enb towers with the highest failures rate across the United States, while depicting relevant metrics for repair.

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## MAJOR ACHIEVEMENTS

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#### ❖ Academic Tutor

- Provided academic support to struggling students through a variety of Math subjects at Springbrook High, Served 90+ hours and guided all students into receiving A's in their respective courses

#### ❖ Co-Founder of National English Honors Society

- Initiated branch at Springbrook High and created initiative for students to donate gently used books to the less fortunate while gaining Student Service hours

#### ❖ White Oak Library Volunteer

- Worked with children by orchestrating enriching events and serving as a Child Mentor while organizing college preparatory for Highschool Students events as member of Teen Advisory Board

#### ❖ Student Government Association

- Coordinated and orchestrated major student events at Springbrook High School, improving student involvement and turnout rate

#### ❖ College Park Scholars Program Volunteer

- Serviced, de-weeded and beautified Kenilworth Aquatic Gardens located in an underfunded community. Due to economic stature of community, Kenilworth requires volunteers to maintain facilities lest the community loses its only attraction

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## ADDITIONAL SKILLS

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- ❖ Gifted communicator and skilled collaborator
- ❖ Innovative Planner
- ❖ Intermediate Bambara Speaker