

Nicole K. Attram

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GOAL

To earn a Ph.D. in Biomechanical Engineering (bioengineering, medical machine design, prosthetics, biorobotics).

EDUCATION

UMBC (University of Maryland, Baltimore County)

BS in Mechanical Engineering 3.68 GPA Dec 2023

Relevant Coursework: Chemistry I/II, Organic Chemistry I, Calculus II/III, Differential Equations, Physics I/II, Biology I, Statics, Circuit Theory, Engineering CAD Design, Thermodynamics, Dynamics, Linear Algebra, Structures and Materials

RESEARCH EXPERIENCE

Johns Hopkins Applied Physics Lab

Purdue SURF Program

UVA REU Program

LSAMP, UMBC

May 2021 - May 2022

Postponed COVID-19

Jul. 2020 - Aug 2020

Jan. 2020 - Mar. 2020 (COVID cancellation)

WORK EXPERIENCE

Assistant Manager - Aldo Accessories

Teacher's Assistant - Children's Manor Montessori School

Feb. 2019 - Aug. 2019

Jun. 2017 - Aug. 2018

PROFESSIONAL ORGANIZATIONS + LEADERSHIP

National Society of Black Engineers

- Head of Volunteer Committee
- PCI Committee Member
- Vice President

August 2019-Present

July 2020 - May 2021

May 2020 - May 2021

May 2021 - Present

SERVICE ACTIVITIES

First Lego League Competition

Reading Partners

Feb. 2020

Sept. 2019 - Dec. 2019

HONORS

Meyerhoff Scholar, UMBC

Honors College Student, UMBC

Grand Challenge Scholar

Pathways Scholar, Purdue

Summer 2019 - present

Fall 2019 - present

Fall 2020 - present

Jun. 2020 - Aug. 2020

SKILLS + PROGRAMMING LANGUAGES

Proficient Language: AutoDesk Inventor (CAD)

Proficient Language: MATLAB

Proficient Language: Python

PRESENTATIONS + CONFERENCES

UVA REU Closing Symposium

14th Annual Winter Student Leadership Treat (Center for Minority Participation UMD) Conference

JHU APL CIRCUIT Summer Symposium

Aug. 2020

Jan. 2020

Aug. 2021