

DEJUAN TINSLEY

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EDUCATION

UNIVERSITY OF MARYLAND—College Park, MD

Expected Graduation Fall 2023

Bachelor of Science (B.S.): Mechanical Engineering

Cumulative GPA: 3.33/4.0

Office of Multiethnic Students Education: Honors Society Member & Academic Excellence Award Recipient

University of Maryland: Dean's List

Center for Minorities in Science and Engineering: Academic Excellence Award

PROJECT EXPERIENCE

CAD DESIGNED MARS ROVER—College Park, MD

Winter 2021

CAD Designer

Created the Claw and Arm mechanism for a complete Mars Rover Prototype that was designed with Solidworks in a team of five

ARDUINO CODED MASK REMINDER—College Park, MD

Spring 2021

Researcher

Created a device with four teammates that reminds the owner to grab their mask by sounding a buzzer and displaying a message that states "grab your mask" once the front door is opened

SOLAR POWERED WATER PURIFIER—College Park, MD

Spring 2019

Constructor

Constructed a handheld water purifier to test if water desalination is a viable solution to the rapid water scarcity problem present around the world

WORK EXPERIENCE

Student Mentorship—College Park, MD

November 2021-Present

Student Mentor

- A group of engineering students and I mentor thirteen aspiring sophomore engineers from Bowie High School
- As mentors, we give them advice on college classes and introduce them to essential engineering concepts

Undergraduate Research Assistant—College Park, MD

March 2022-July 2022

Research Assistant

- Research Assistant for Doctorate students in the Center of Risk and Reliability at the University of Maryland

Boland Summer Internship/CO-OP—Gaithersburg, MD

June 2022-Present

Energy Engineer Intern

- Analyze energy usage data and costs from buildings across the World to create graphs and reports to help them reduce carbon emissions and respective energy costs

ACTIVITIES

OFFICE OF MULTIETHNIC STUDENTS EDUCATION HONORS SOCIETY—University of Maryland

Fall 2020-Present

Society Member

- Promote and encourage leadership with the highest ideals of integrity, honesty, service, and exemplary ethical standards.

MECHANICAL CONTRACTORS ASSOCIATION—Metro Washington / UMD Chapter

Spring 2022-Present

Chapter Member

- Joined a team of mechanical engineering students to develop a full-scale bid proposal for a real-life mechanical project
- Developed peer relationships with mechanical engineering students through participation in the chapter and accompanying events
- Gained industry perspective and understanding through a mentor program with industry professionals

SKILLS

Software | Matlab/CAD, SolidWorks/Inventor, Microsoft Office Suite, Genie

Conceptual | Calculus/Mechanics/Physics Concepts

Communications | Leadership/Public Speaking