

CHRISTOPHER NWOKE

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EDUCATION

UNIVERSITY OF MARYLAND—College Park, MD

Expected Graduation May 2024

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

GPA: 3.3/4.0

TECHNICAL & RESEARCH EXPERIENCE

INTRO TO ENGINEERING DESIGN—College Park, MD

April 2021-May 2021

Skynet Team Member

- Worked with a team of four students to design an alarm clock that alerts using all five senses
- Designed and created drawings for the chassis and dovetail joint using Fusion360 and Solidworks
- Adapted to a virtual setting to complete the project and included measures for COVID-19 protection

The Dynamic Effects Laboratory of the University of Maryland—College Park, MD

September 2019-March 2020

Laboratory Assistant Intern

- Supported my mentor, Dr. Leiste, in his area of research including hyper-acceleration of targets due to explosive loading
- Coordinated with Mechanical Engineers with the development of strain gauges, impulse mitigation explosively loaded platforms test setups, and torsion fatigue testing
- Reviewed and analyzed high speed video to collect data and create spreadsheets and graphs using Excel
- Brainstormed with Mechanical Engineers to create a solution to overcome a problem we encountered while measuring and creating our test set up

MECHANICAL CONTRACTORS ASSOCIATION—Metro Washington / UMD Chapter

August 2022-Present

Chapter Event-Planner

- Collaborated with a team of eight 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 National MCAA Student Chapter Competition and accompanying events

LEADERSHIP EXPERIENCE

MECHANICS II – ENES220—College Park, MD

September 2021-December 2021

5Guys Team Member and Leader

- Oversaw and worked with a team of five students to create a wooden beam with a specific strength and conduct a deflection test; assigned project tasks and ensure completion
- Organized and conducted monthly progress meetings to review tasks assigned and get updated on the progress of the project
- Scheduled building and testing date; communicated project information and questions with the professor

ACTIVITIES

● **VEX ROBOTICS—TEAM 53D**

August 2017-June 2019

Chassis Sub-team Member

● **MECHANICAL CONTRACTORS ASSOCIATION**—Metro Washington / UMD Chapter

August 2022-Present

Chapter Event-Planner

SKILLS

Software | SolidWorks, Fusion360, Microsoft Office Suite, MatLab, Procore, Adobe Acrobat, Replit (C++)

Manufacture | Torsion Testing Machine, Hydraulic Press