

Oluwasola Dugbo

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Education

Villanova University - PA - BS Computer Engineering / Mechatronics Minor

May 2024

Leadership & Involvement

FIRST Robotics Competition

August 2016 / May 2020

- Programming & Electrical Director - wired the robot's electrical system, led Java code development for the robot using GIT version control, and provided meaningful additions to the design process of our robot.
- 3rd Place World Champions, FRC Team 1939 Outstanding Achievement Award, Drive Team Award
- World Championships Most Valuable Person

Formula SAE- Nova Racing

February 2021 / Present

- Driver Controls Subsystem Lead
- Designed, manufactured, and validated parts for formula-style race car to compete in a collegiate competition.
- 2022 Michigan International Speedway FSAE competition 2nd place overall out of 99 international teams.

CyberPatriot / Security Competition

- Competed as a student in the CyberPatriot competition where I work with my team to identify and remove security vulnerabilities on Windows, Linux, and Cisco Server Systems.
- Worked with my team to reach the national competition where we received a high level of points

Employment

Sandy Kempers YEP KC

May 2020 / August 2020

Designed to select the highest potential leader entrepreneurs in high school, YEPKC matches them with Kansas City's fastest-growing, most dynamic start-ups and high-growth companies.

- Worked with a cohort to develop a conference to connect students and entrepreneurs of color with resources.

Community America Advisory Board

Sept 2019 / Feb 2020

- Designed & Developed FAFSA help tool for Community America Credit Union.

Research Assistant: Machine Learning

Jan 2020 / Aug 2021

Match Research Program for First-Year Students provides opportunities for motivated first-year undergraduates to pursue undergraduate research in the spring semester.

- Worked w/ Dr. Xun Jiao to develop applications of Hyper Dimensional Computing to improve computational efficiency

Classroom Support Technician

8hr/ week / present

- Working with full-time staff to assist Professors with classroom technology issues.

Private Web Development

- Using HTML/CSS/REACT JS I worked with a local business to develop their company website.

BearMeUp Software Frontend Engineering

Jun 2022 / Aug 2022

- Led the development of an IOS therapy app using Swift UI. Managed GIT repositories & UI/UX Design.

Publicis Sapient Software Engineer Intern

Summer 2023 / Present

- Led full stack development of an E-Commerce car parts web app for Polaris, Utilized AWS CloudSearch, Lambda, Aurora, MySQL, GraphQL, and React. I Led a team of eight intern developers as the only Full Stack Engineer. I learned architecture design and CICD in an Agile software development cycle.

Technologies:

- Java, JavaScript, TypeScript, Python, C++, HTML, CSS, Swift, MATLAB, Node JS, React, GraphQL, MySQL
- AWS Lambda, AWS CloudSearch, AWS RDS, AWS Aurora, AWS S3
- Familiar with applications such as WireShark, Solidworks, Flask, Git, Quartus, and more
- Knowledge of low-level binary and hex data manipulation, ARM Assembly