Tolulope Oshinowo

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EDUCATION Olin College of Engineering   Needham, MA   May 2023

- Bachelor of Science in Electrical and Computer Engineering.
- Recipient of 50% tuition merit scholarship.

Niskayuna High School   Niskayuna, NY   June 2019 (93% GPA)

EXPERIENCE

Wellesley Human-Computer Interaction Lab   Wellesley, MA   June 2020 - Present

Researcher and NodeJS Developer for the "Future of Work at the Human-Technology Frontier" Project.

- Working alongside students and professors from top universities to help rethink and restructure how meaningful work can be accomplished.
- Implementing a work-life chatbot for a Covid-19 conscious world as part of the "Big Ideas for Future Investment" announced by the NSF.
- Examining the possibilities that come with autonomous driving and the potential outcomes to varying market segments/personas.

Olin Electric Motorsports   Needham, MA   September 2019 - Present

Member of 50-person team working on improving last year's electric vehicle for international competition.

- Goals for 2020/2021: Increase vehicle's acceleration, sensing, and inclusivity; decrease costs.
- Assist in producing boards for the electric components of the car, specifically battery and charge management.
- Pursue new partnership opportunities with potential sponsors, and fundraising.

Educational Vistas, Inc.   Schenectady, NY   September 2018 - April 2019

Systems and Communication Database Intern.

- Worked senior year of high school with educational tech company that provides assessment services, data analysis, and software products.
- Streamlined outreach process to teachers and other educational faculty across New York State through investigative use of software.
- Collaborated with IT and Communications to better use JavaScript algorithm for faster data retrieval, leading to an increase in sales.

Olin Compact Fusion Reactor Club   Needham, MA   September 2019 - Present

Member of 20-person team working towards building a compact fusion reactor in one semester.

- Goals for 2020/2021: Successfully create a fusion reactor and hopefully publish an article on how the feat was accomplished.
- Aid in fundraising.

ACCOMPLISHMENTS

NSF National Robotics Initiative PI Meeting   Arlington, VA   February 2020

Student Scholarship Winner and Project Presenter.

- Presented on the web-app RFID scanner system that my project team had worked on in the previous weeks.
- Met with several top-level researchers and roboticists across the nation and the globe.
- Discussed with professors, fellow undergrads, graduate students, and government officials the ethics of human-robot interactions.

SKILLS

MERN (MongoDB, Express, React, NodeJS), Rails, Django, and Go/Firebase Full Stack Development.

Python (Computer Automation Projects), Java (Developed Engine for Games); C# & C (Mobile Development & Programming Chips).

Complete PCB development (From Ki-Cad Schematics to Populating and Programming PCBs)

Proficiency in Arduino, Raspberry Pi, LaTeX and MATLAB.

Proficient in Spanish (New York State Seal of Biliteracy) and Yoruba.

Photo and Video Editing, CAD Modeling (Autodesk Fusion 360), and Music Production (GarageBand, FL Studio, Caustic).

SERVICE AND LEADERSHIP

Olin National Society of Black Engineers/The Mix   Needham, MA   September 2019 - Present

- Programs/Events Lead and Outreach Program Coordinator.

Niskayuna Anti-Defamation League   Niskayuna, NY   November 2017 - June 2019

- Peer leader in discussions regarding empathy and equity in society.

Sunnyview Rehabilitation Center   Schenectady, NY   December 2017 - June 2019

- Neurotherapy and Pediatrics Recreational Volunteer.

ALS Awareness Program   Albany, NY   August 2018

- Speaker and Information Distributor.