

TOLULOPE OSHINOWO

1039 Vrooman Avenue, Niskayuna, New York 12309

☎ 518-986-6438 ✉ toshinowo@olin.com 🔗 toshinowo.co 🌐 github.com/toluoooshy

EDUCATION

Olin College of Engineering

Aug. 2019 – May 2023

3.95 GPA

Needham, MA

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

EXPERIENCE

Wellesley Human-Computer Interaction Laboratory

June 2020 - Present

Researcher and Full Stack Developer for the “Future of Work at the Human-Technology Frontier” Project.

Wellesley, MA

- Working with students and professors from top universities to conceptualize how meaningful work can be accomplished.
- Building a work-life chat bot for a covid-conscious world as part of the “Big Ideas for Future Investment” initiative by the NSF.
- Examining the possibilities that come with autonomous driving and the potential outcomes to varying market segments/personas.

Olin Electric Motorsports (OEM)

September 2019 - Present

Advanced Researcher on Firmware Sub-team.

Needham, MA

- Engaging in research on refactoring the OEM build environment system for programming boards with C code.
- Migrating flashing protocol from in-house Python script to Bazel as a means to maximize accessibility for future incoming classes.
- Writing an instruction manual to quickly get newcomers up to speed on Bazel development first with Python and then with C.

Educational Vistas, Inc.

September 2018 - April 2019

Systems and Communications Database Intern.

Schenectady, NY

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

PROJECTS

Wobble Finance (wobblefinance.com) | JavaScript, Solidity, EJS, Heroku

May 2021

- Wobble Finance is a cryptocurrency screener where users can look up the performance of thousands of different cryptocurrencies.
- In addition to this there is the Wobble Finance Token (WBBL) that helps fund API calls for the web app.
- The Wobble Finance Token (WBBL) tradable on the Binance Smart Chain as a BEP-20 token and is listed on PancakeSwap.

DynamiChat (tinyurl.com/dynamichat) | C, BSON, Shell Script, MongoDB

April 2021

- DynamiChat is a messaging platform accessible from the UNIX terminal, fostering a more streamlined medium of communication.
- The reasoning behind this project was to put my C skills to the test by building an extremely low level web chatting application.

FitPic (fitpic.co) | Python, Django, SQLite, Heroku

January 2021

- FitPic is a random outfit generator where one can log clothing attire they have. The site also promote sustainable clothing brands.
- Currently this project is under redesign to allow the user to log in (previously this was an offline web app).

Portfolio Website (toshinowo.co) | Ruby, Rails, HTML, Heroku

August 2020

- Undertook this project to put Ruby and web development skills to the test, developing a personal website using Ruby and Rails 6.
- This website supplements my LinkedIn profile and is a channel to express myself through other projects and interests.

ACCOMPLISHMENTS

NSF National Robotics Initiative PI Meeting

February 2020

Student Scholarship Winner and Project Presenter.

Arlington, VA

- 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

Languages: Python, JavaScript, C, Solidity, HTML/CSS, Ruby, C#, Go, SQL, Assembly, Verilog.

Web Frameworks: MERN Stack (MongoDB, Express, React, NodeJS), Web3, Rails, Django, NodeJS/Go with Firebase.

Circuitry Abilities: Complete PCB Development Process, Proficiency in Arduino and Raspberry-Pi.

Foreign Languages: Proficient in Spanish (New York State Seal of Biliteracy) and Yoruba, Some Chinese.

Miscellaneous: Photo and Video Editing, CAD Modeling, and Music Production.

SERVICE AND LEADERSHIP

Olin National Society of Black Engineers/The MIX

September 2019 - Present

Programs/Events Lead and Outreach Program Coordinator.

Needham, MA

Olin College Advancement Office Assistant

February 2021 - Present

Student Database Manager.

Needham, MA

Olin College Course Assistant

September 2020 - December 2020

Course assistant for Modeling & Simulations and Design Nature.

Needham, MA

Sunnyview Rehabilitation Hospital

December 2017 - June 2019

Neurotherapy and Pediatrics Recreational Volunteer.

Schenectady, NY

Niskayuna Anti-Defamation League

November 2017 - June 2019

Peer leader in discussions regarding empathy and equity in society.

Niskayuna, NY