# **Joshua Ogunsola**

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**SKILLS & INTERESTS**

* **Programming Languages:** (4+ years’ experience programming) Java, C#, C++, HTML, CSS, Python
* **Tools & Software:** Unity, Unity Hub, Microsoft Office 365(Azure AD, Migration Paths, Teams, SharePoint, OneDrive), DNS Records, Visual Studio, VS Code, MS Office, GitHub, Eclipse, NetBeans

**EDUCATION**

**Towson University** **Towson, MD**

*B.S. in Computer Science*

* Organizations: National Society of Black Engineers

**RELEVANT COURSEWORK**

* **Data Structures and Algorithms:** Fundamental data structures used in programming and the basic techniques used to design and analyze algorithms.
* **Intro to Programing 1&2:** Development of programming and problem-solving skills, with a focus on object-oriented programming and design.
* **Computer Organization & Architecture:** Computer organization and architecture including computer arithmetic, digital logic, principles of assembly language, memory system organization, computer interfacing.
* **Data Communications & Networking:** Network architecture and protocols, data communications, LANs, and cellular networks, forwarding and routing, TCP/IP suite, network programming and packet analysis.

**PROJECTS**

**Virtual AI Desktop Assistant (Python)**

* Utilizes text-to-speech, speech recognition, and operating systems.
* When ran, the program introduces itself and gives the current date and time.
* Recognizes keywords when user speaks to successfully carry out their command.
* Has ability to do a google search, open YouTube, play music, open a file on personal computer, send an email, and give the current date and time?

**Corporate Vehicle Rental Agency (Java)**

* Developed program using object-oriented design.
* Contains two interfaces (employee and manager interfaces) that each provide different accessibility.
* Manager interface allows the user to view and set the rates of each vehicle being rented, add a corporate account to the system, and view all transactions and reservations made by the employee.
* Employee interface allows users to view the rates set by the manager, view all available vehicles, estimate the cost of renting a vehicle, make and cancel a reservation, view the corporate accounts and process returned vehicles.

**My FIT Webpage (HTML, CSS, JavaScript)**

* Developed a fitness tracking app that allows one to track calories, steps, and progress such as weight and personal record.
* Designed using elements in HTML and CSS for an appealing user interface.

**WORK EXPERIENCE**

**Penn State University’s Applied Research Lab State College, Pennsylvania (Onsite)**

# Software Engineering (R&D) Internship *05/2023- 08/2023*

* Selected among the nation’s best undergraduate STEM students that are committed to national security.
* "Utilized AR/VR technology in conjunction with software applications to create immersive virtual environments, while also monitoring user inputs and movements."
* Utilized pub/sub methodology to setup framework for exchanging messages between publishers (components that create and send messages) and subscribers (components that receive and consume messages
* Created 3D model digital twin(subscriber) of an engine-based helicopter flight simulator(publisher).
* Created, configured, and modified a third-party toolset, to establish messaging interface that acts as a point of communication between the flight simulator and its digital twin.
* Wrote C# scripts to facilitate data flow between the publisher and subscriber applications via the messaging interface.

**Zones, LLC Albany, New York (Remote)**

# MS O365 Support Engineer *08/2022- 05/2023*

* Provide a world-class customer experience, engage, and empathize with customers to support and resolve technical issues through completion.
* Support installation, configuration, and support of Microsoft Office 365 on various platforms
* Accurately document all work performed through ticketing system including details and outcomes.
* Ensure accurate and timely resolution of all assigned issues; escalate product bugs or unresolvable cases if necessary; notice trends and report recurring problems.
* Update Office 365 licenses, subscriptions, and user management; increase engagement with Office 365

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