Taofeek Obafemi-Babatunde

taofeekobafemibabatunde@gmail.com | github.com/FehintolaObafemi | www.fehintolaobafemi.com

SKILLS

Programming Languages: C#, Qiskit, QASM, Python, JavaScript, MySQL, PowerShell, Solidity, TypeScript
Libraries & Frameworks: Kivy, NumPy, Pandas, OpenCV, Expo.js, Node.js, NativeScript
Tools & Platforms: Amazon Web Services, Docker, Microsoft Azure, Netlify, Heroku, Git

RELEVANT EXPERIENCE

Microsoft Corporation Redmond, WA
Software Engineer (Microsoft Graph) Summer 2021; January, 2022 – Present

- Maintaining and updating the Microsoft Graph SDK for PowerShell while improving the DevOps experience for Microsoft PS users
- Reduced bugs and customer issues on Azure Global Support API Gateway Service by 75%
- Spearheaded the deprecation of MS Online and Azure AD PowerShell while migrating existing customers onto MS Graph with a 90% success rate

International Business Machines Corporation Baltimore, MD
Graduate Quantum Researcher December, 2020 – May, 2022

- Contributed to the advancement of various qiskit projects hosted on Github such as the Quantum Dice, Quantum Image Processing, and Qonway's Game of Life
- Improved the existing work done on Retworkx: a general purpose graph library for python3 written in Rust to take advantage of the performance and safety that Rust provides.
- Explored and detailed significant advances regarding improving the depths of Shor's Algorithm for factorization of complex demi-prime numbers with a 75% accuracy.

Data Engineering and Predictive Analytics Laboratory Baltimore, MD
DevOps Engineer May, 2020 – December, 2021

- Developed a Python-based application for automated segmentation of data pulled from an API in preparation for a Machine Learning model.
- Maintaining a cloud database and CI/CD pipeline that implements an autonomous coalition of data from social media platforms on a daily basis.
- Successfully disambiguated and demonstrated a network graph showing relationships between multiple users with a 90% accuracy.

EDUCATION

Morgan State University Baltimore, MD
Electrical and Computer Engineering (BSc, MEng)
Computer Science: Advanced Computing (MSc)

PROJECT WORK

SayTheirNames *Open Source* June, 2020 – August 2022

- Collaborative platform with the goal of raising awareness about the many victims of racial inequality and injustice.

Where Am I? *Major League Hacking* Summer, 2020

- A project inspired by "Sherlock" which utilizes data available on the internet to determine the connections between multiple social media accounts.

Miscellaneous Projects *School of Engineering, Morgan State University* August, 2016 – April, 2020

- Designed an effective low-cost music player which can be controlled with minimal speech or physical interaction and addresses basic functions suited for patients diagnosed with Parkinson's disease.
- Launched a fingerprint-based attendance system as a replacement for attendance and time logs that reduces resources used by 40% and increased accuracy by 70%
- Streamlined an amazon Alexa and Raspberry pi console which identifies guests at a doorway and alerts the user of potential threats using facial recognition with a 90% accuracy.