Messiah Godfred Majid

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EDUCATION

The University of Miami | Coral Gables, FL   **May 2027**
B.S. in Computer Science, Math and Biology | GPA: 4.0
Honors: Stamps Excellence Scholarship, President's Honor Roll
Relevant Courses: Data Structures & Algorithms, Python Programming, Java Programming I & II, Computer Organization and Architecture, Probability and Statistics

The University of Ghana | Accra, GH   **May 2023**
A.S. in Mathematical Science
Relevant Courses: Financial Mathematics, Regression Analysis, Econometrics, Computational Mathematics

TECHNICAL SKILLS

Programming Languages: Python, Java, R, SQL, MATLAB
Frameworks/Technologies: Scikit-learn, Matplotlib, BLAST, BioPython, ArcGIS, TensorFlow, Pytorch, ChimeraX, NGLView, Tableau

RELEVANT EXPERIENCE

UM Sustainability Laboratory | Research Assistant | Coral Gables, FL   **May 2024 - Aug 2024**

- Engineered Python-based algorithms leveraging ArcGIS to analyze city-wide water usage patterns, identifying inefficiencies in Miami-Dade County's water distribution system, resulting in implemented changes projected to reduce annual resource wastage by 15%

- Enhanced the predictive accuracy of urban resource demand in Miami-Dade County by 25% through advanced multiple linear regression analysis, enabling city planners to optimize water distribution, energy usage, and waste management strategies based on data-driven sustainability insights

UM Office of Conference Services | Guest Experience Assistant | Coral Gables, FL   **May 2024 - Aug 2024**

- Created Excel VBA macros to automate data entry processes, saving over 10 hours of work weekly and reducing manual workload by 50%, enhancing team productivity

- Built Python scripts to optimize room occupancy tracking, increasing operational efficiency by 30% and improving resource allocation for 250+ conference attendees

PROJECTS

ScamSpot: AI- Powered Fraud Detection Tool | Horizons AI Hackathon Project   **Feb 2025**

- Designed an AI-powered Chrome extension and web platform for real-time scam detection, successfully identifying 70% of social engineering scam attempts and safeguarding users from financial fraud

- Formulated and optimized a machine learning pipeline, fine-tuning LLMs to perform NLP-based text extraction and semantic analysis on a dataset of 10,000+ scam-related conversations and links, achieving 95% accuracy in identifying scams

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

First Year Fellow | University of Miami Residential Life   **Apr 2024 - Present**

- Mentored 78 first-year students in academic planning, technical skill development, and research exploration, increasing student confidence in course selection and career pathways by 30%, as measured by post-advising feedback

- Architected and led 12 structured coding workshops in Python and Java for 78 participants, enhancing their programming proficiency by 35%, verified through performance assessments and hands-on project completion

Computing & Technology Mentor | Foote Fellows Honors Program   **Aug 2024 - Present**

- Administered one-on-one mentorship to 10+ high-achieving honors students in computer science and data analytics over 5 months, increasing their engagement in faculty-led technology research projects and internships by 40%

- Developed and facilitated 2 technical seminars on data structures, algorithm optimization, and bioinformatics applications, resulting in 30% improvement in mentees' project performance and 10% increase in successful internship placements

EXTRACURRICULAR ACTIVITY

Google Developer Students Club | Scientifica Writers UMiami | National Society of Black Engineers | Kappa Theta Pi Technology Fraternity