ANTHONY CHUKWUDI IWEJUO

Location: Atlanta, GA | Phone: (404) 384-7153 | Email: iwejuoantoine@gmail.com | LinkedIn: linkedin.com/in/aiwejuo

Education

Kennesaw State University | Kennesaw, GA *August 2020 – May 2025*
Bachelor of Science in Computer Engineering.

Relevant Coursework: Discrete Mathematics and Data Collection and Analysis.

Experience

Georgia Department of Transportation Research | Marietta, GA *May 2024 – December 2024*
Undergraduate Research Assistant
Focused on creating a GUI and a rotating antenna to help road safety officials detect signal interference in sensitive areas.
- **Developed** a rotating antenna system in C++ for real-time signal interference detection in sensitive zones.
- **Integrated** advanced software algorithms with precise hardware mechanisms for optimized performance
- **Honed** skills in engineering communication, technical documentation, and hands-on troubleshooting.

Kennesaw State University Bookstore | Kennesaw, GA *June 2023 – May 2025*
Sales Associate
Provided a welcoming environment for all customers at the University Bookstore.
- **Created** a welcoming environment for all customers at the University Bookstore.
- **Assisted** with setting up and launching the new University Bookstore website.

Certifications

IT Management – Software and Databases | Alison *Certified June 2025*
SQL Server for Data Analysis | Alison *Certified June 2025*

Publications

Advanced 5.9 GHz Interference Resiliency for Connected Vehicle Equipment | Marietta, GA *Published March 2025*
- **Co-authored** the GDOT Research Project 23-16 Final Report on 5.9 GHz interference resiliency for connected vehicle equipment, published in collaboration with the Georgia Department of Transportation and U.S. DOT.

Projects

Sustainable Smart Farming Device *August 2024 – April 2025*
Computer Vision, AI Implementation, Product Design
Developed a sustainable IoT-based smart farming solution with intelligent sensors and computer vision for automated irrigation, optimizing plant health and conserving water.
- **Developed** a scalable TensorFlow-Lite AI Model to analyze live video frames, identify plant types, detect potential health issues, and integrate sensor data for comprehensive plant health reports.
- **Designed** sketches and 3D renderings of the product from concept to final stage using CAD software like **Autodesk Fusion 360**.
- **Presented** this AI-powered plant health monitoring project at **NCUR 2025** in Pittsburgh, PA.

Effects of Wireless Links on the Performance of Autonomous Vehicles *May 2024 – July 2024*
Undergraduate Research, AI Implementation, Wi-Fi Networking
Developed a robotic vehicle (RV) to follow a predetermined path using the US Dept. of Transportation's ISD Message Creator Tool to create a virtual MAP on which it followed.
- **Researched** the impact of Wi-Fi on autonomous vehicle performance, comparing local AI algorithms with remote computations to assess latency and efficiency.
- **Developed** and tested an autonomous vehicle system using Pure Pursuit algorithms, GPS-RTK, and Raspberry Pi to analyze route accuracy and responsiveness.

Final Project – CPE 4040 (Data Collections and Analysis) *May 2024*
Undergraduate Coursework, Data Analysis, Consumer Analysis
- **Used Pandas** and **Matplotlib** to visualize churn trends by contract type, payment method, and tenure, producing clear charts and dashboards to support data-driven insights.

Skills

Programming: Python, C++, C, MATLAB, SQL, PowerShell, R-Studio
Data and Visualization: Matplotlib, Pandas, NumPy, SQL Server Management Studio
Hardware: Microcontrollers, Oscilloscope, Digital Multimeter, Arduino, Raspberry Pi 3B+
Software and Frameworks: GitHub, MS Office Suite, MS Visual Studio, Autodesk Fusion 360, Amazon Web Services, Power BI
Soft Skills: Excellent communicator, fluent in English, French, and Igbo; quick learner; persuasive; collaborative team player; detail-oriented; adaptable in fast-paced environments.