

Samsondeen Olawale Batula

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EDUCATION

Syracuse University

Graduated December 2023

Bachelor of Science in Computer Engineering

Related Courses: Data Structures, Operating Systems, Embedded & Mobile Systems, Computer Architecture, Android Programming

Achievements & Fellowships: William Peil Award, Bloomberg Engineering Accelerator Fellow

Organizations: National Society of Black Engineers, ColorStack, Chicago Scholars

SKILLS

Programming Languages: Java, Python, C++, C, Javascript, HTML, CSS, ReactJs, Kotlin, SQL

Tools & Technologies: Git, GitHub, Linux, Firebase, Arduino, Jupyter Notebook, Visual Studio, XCode, Android Studio, REST API

EXPERIENCE

Project Manager, OraVew, Startup

July 2023 - June 2024

- Spearheading a team of three to establish a streamlined and organized pre-production environment for recording for a wide range of clients by coordinating project logistics, budgeting, scheduling, and conceptual development
- Achieving significant growth in clientele's social media presence by leveraging data-driven content strategies, resulting in a 510% increase in clientele accounts reached, 1668% surge in client engagement, and a 140% rise in total followers
- Producing content for multiple brands by utilizing post-production skills such as video editing, sound design, visual effects and quality control
- Enhancing social media visibility by reaching broader audiences through implementation of SEO techniques

Supervisor, Syracuse University Tenuity Ice Pavilion

August 2019 – July 2023

- Increased customer service productivity by 15% by managing and training 2-3 new employees every academic year on various customer service tactics in a Ice rink setting such as active listening and effective communication
- Operator of the ice resurfacer machine used to clean and resurface the ice sheet used by hundreds of students daily

PROJECTS

Cycle Sense (*Python, C++, GitHub*), Embedded Systems: 1st place Capstone Finalist

August 2022 – May 2023

- [View Project](#)
- Designed and constructed an IoT device that can recognize and interpret bicyclists hand signals using OpenCV and advanced Image Processing techniques aimed to reduce roadside incidents with motor vehicles and cyclists
- Implemented the i2c and serial communication protocols between the Main PC, Arduino Uno Rev3, and Raspberry Pi 4B to seamlessly exchange data between each hardware component
- Engineered a synchronized state system on the Raspberry Pi ecosystem between the 3 output indicators to display visual and audio signals based on the specific data byte received

FindMyProfessor (*Java, Firebase, GitHub*), Android Mobile Application

September 2022 – January 2023

- [View Project](#)
- Co-led on a team of four developers that created an android mobile application that serves as a tool for 500+ engineering students to streamline identifying and connecting with professors offering courses that align with their academic pursuits
- Developed the sign up, login and forget password recovery user authentication of clients, leveraging Firebase Authentication to ensure a secure and user-friendly entry point into the application
- Engineered an intent wrapper that prompts the email app on the android system to open thus reducing time to engage with professors listed on the application

Noise Detection Security System (*Python, C++, GitHub*), Embedded & Mobile Systems

March 2022 – June 2022

- [View Project](#)
- Engineered an IoT device security system integrating the Rock Pi 4B, Servo Motor, Itsy Bitsy M0 Microcontroller, Webcam and an Adafruit MAX 4466 Microphone that detects a noise event and captures snapshots of the object creating the noise, which is then sent in real time to the owner of the IoT device
- Implemented the UART communication protocol to seamlessly exchange the noise detection data between the Itsy Bitsy M0 and Rock Pi 4B to enable the other components to perform their individually designated tasks

AWARDS

William Peil Award, Issued by Syracuse University Engineering and Computer Science School

April 2023

- Placed 1st out of 20 teams in Syracuse University's annual Open House competition by developing an IoT device that decreases roadside incidents with motor vehicles and cyclists by recognizing and interpreting cyclist hand signals to motor vehicle drivers