Haafiz Shafau

Tel: 561-225-5892 E: Shafau_ayo@outlook.com

Work Experience

Beep Inc – Autonomous Vehicle Lead Deployment Engineer   Sep 2022 – Present

- Led the deployment of autonomous vehicles for over 10 different projects in the US, conducted 3D mapping for environment localization, path generation and validation for operation on public/private roads
- Installed and configured GNSS base stations, utilizing Linux systems, to transmit high-precision GNSS corrections via 3G/radio signals. Achieved position accuracy up to 2 cm, enhancing the overall precision of autonomous vehicle operations
- Created and presented official documentation for successfully launched projects to highlight key safety concerns, proper vehicle operation, and training for vehicle operators and support technicians
- Configured high precision antennas and LiDAR sensors, ensuring optimal functionality for operational use in autonomous vehicles

Beep Inc – Autonomous Vehicle Support Technician   Jan 2022 – Sep 2022

- Oversaw operations of autonomous vehicles over 20 projects using a combination of internal and vendor applications
- Tracked, diagnosed, reported, and resolved on issues affecting vehicles to promote safety and prevent operational downtime using JIRA and Fleetio
- Point of contact for all operational issues and safety concerns. Coordinated with field operators on troubleshooting techniques for vehicles
- Communicated with vendor to implement software upgrades, vehicle calibration, and log extraction/analysis
- Produced technical documentation for standard operating procedures and data collection on vehicle operation

Projects

Auto GNSS Connection Script – Beep Inc   2023
- Created a script (Linux) for a GNSS base station as part of a collaborative team effort, automating the transmission of GNSS corrections to autonomous vehicles in the event of power loss, effectively reducing operation downtime by over 25%
- Coordinated closely with fellow team members, including engineers and other personnel, to ensure the seamless integration and proper functionality of the script across all new and existing projects
- Played an integral role in documenting the connection script, contributing to the creation of a comprehensive guide for future project deployments

HotBox – University of Central Florida - Senior Capstone   2021
- Led a team of four students to design a smart, secure, and safe heater to store food for restaurants
- Designed the electronic schematics and fabricated the printed circuit board for the project design and prototype (LTSpice)
- Designed the protype hotbox schematics and successfully fabricated the design for use
- Utilized the ESP32 and Arduino IDE for prototype testing of various hardware components

Education

University of Central Florida - Bachelor of Science in Computer Engineering, GPA 3.3   Dec 2021

Skills

Software: Python, Swift & SwiftUI, JavaScript, HTML & CSS, XML, Linux, MS Tools, Jira, LTspice
Languages: English, Yoruba