

Haafiz Shafau

Tel: 561-225-5892 E: Shafau_ayo@outlook.com W: <https://shuffu-king.github.io/>

Experience

Wheel.me – Robotics Field Engineer

Mar 2024 – Present

- Deployment of industrial AMR solutions at multiple locations across the US. Utilized skills such as advanced **Linux** knowledge, **ROS** (Robotics Operating Software) programming, **CAN** communication, cloud solutions such as **AWS** and **ADO** to deploy robots
- 3D and 2D map customer sites using camera and **LiDAR** technologies to create a virtual world for the robots to operate successfully on.

Beep Inc – Autonomous Vehicle Lead Deployment Engineer

Sep 2022 – Mar 2024

- 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 using AV software
- 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
- 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**

Education

University of Central Florida - Bachelor of Science in Computer Engineering

Dec 2021

Projects

Simple Inventory App – Wheel me

June 2024

- **Developed an iOS inventory management app using Swift and SwiftUI**, integrating **Firestore** to manage robots, carts, and site-specific data, including real-time updates, user authentication, filtering, and transaction logging.
- **Implemented robotic system integration features**, such as dynamic robot-cart assignments, automated tracking of robot health, and real-time updates for robot RSOs, improving operational efficiency and data accuracy.

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 physical hardware design, electrical schematics and fabricated the printed circuit board for the project design, testing via **microcontrollers** (ESP32 & ArduinoIDE) and prototype (LTSpice).

Skills & Achievements

Meta iOS Developer Specialization Certification

Jun 2024

- iOS Development (Swift & SwiftUI) - Version Control (Git & GitHub) - Web Development (React & React Native, JavaScript, JSON, HTML & CSS)

Living Our Values Award – Beep Inc

2024