Olamide Fiyinfoluwa Ganiyu

Dynamic and highly motivated professional with a Bachelor's degree in Mechatronics Engineering and a diploma in Computer Science. Passionate about robotics, automation, and artificial intelligence, with a strong foundation in both hardware and software applications. Skilled in leveraging engineering principles and computer science knowledge to develop innovative solutions, with hands-on experience in automation tools, AI technologies, and system optimization.

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Skills

Automation
Use of microcontrollers to automate processes

Arduino, Raspberrypi, ROS

Software Engineering

Data Management, Technical Proficiency, Network Management, Technical Troubleshooting, Operating Systems Configuration, System Maintenance, Programming

CAD Modelling

Mathematical Thinking

AI & Automation
Proficient in using ChatGPT and AI productivity tools for task automation and management.

Problem-Solving
Ability to identify issues and provide effective solutions with a customer-first mindset.

Communication
Strong verbal and written communication skills, with a focus on maintaining a positive attitude and high levels of discretion.

Interests

Artificial Intelligence

Automotive

Renewable Energy

Biotechnology

Certifications

Cloud Computing
SideHustle
September 2022
https://certificate.terrahq.co/53532JJLHNJCQY61

Profiles

Olamide Ganiyu

Holarmitidey

Experience

SPEEDVIBE INFO-TECH HUB **2023-02-12 - 2023-05-03**
Intern
https://speedvibeinfotech-hub.com.ng/about-us/

- **Automation and Networked Devices**: Engaged in IoT projects, focusing on the configuration and maintenance of networked devices.
- **Technical Troubleshooting**: Diagnosed and addressed issues within automated systems, ensuring optimal performance.
- **Operating Systems Configuration**: Configured systems to support IoT applications, adapting settings to meet project requirements.
- **System Maintenance**: Carried out regular system checks and updates, improving stability and functionality of tech solutions.

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Automedics **August 2023 - January 2024**
Intern Oshodi Lagos state
https://automedicsnigeria.com/

- **Diagnostic Tool Management**: Gained hands-on experience with advanced diagnostic tools, troubleshooting complex systems in automotive diagnostics.
- **IT System Administration**: Supported computer systems for tracking service data and optimizing workflow in the maintenance department.
- **Problem-Solving and Network Support**: Worked on troubleshooting network issues, ensuring that all team members could access necessary software and systems for efficient operations.

Education

Federal University of Agriculture Abeokuta **October 2019 to August 2024**
Bachelor of Engineering degree
Mechatronics Engineering
3.72
https://funaab.edu.ng/

strong mathematical and analytical skills as well as knowledge of the practical application of engineering science and technology

Kibo School (Woolf) **June 2023- August 2024**
Computer Science Diploma
2.7

emphasize technical skills and experience in developing and implementing algorithms, software, and databases

Projects

Robotic Arm **2023-04-09 - 2023-04-14**
A pick and drop robot arm

- Simulation using TinkerCad - Using of sensors (Servo motor, ultrasonic) - Arduino uno

Obstacle Avoidance Robot **2023-04-24 - 2023-04-28**
A robot car that can avoid obstacle

- Simulation using Tinkercad - Arduino UNO - Chassis

Twin Interlocking Brick Making Machine **2023-05-27 - 2023-06-28**
A purely Mechanical brick making machine with a little Mechatronics attachment for automatic feeding and retraction of brick.

- Design Calculation - Design using PTC creo - Fabrication of Mechanical aspect - Inclusion of Automation aspect

Autonomous Firefighting Robot Development **Feb 2024 - July 2024**

Designed and developed an autonomous firefighting robot using LiDAR SLAM for navigation, multi-sensor fusion for enhanced perception, ~~YOLOv3 for~~ object detection, and LABVIEW for system control. Integrated a Raspberry Pi and camera for real-time monitoring, and implemented ROS for effective sensor management. Conducted testing and calibration to optimize speed, torque, and overall performance in firefighting scenarios.

LiDAR SLAM, LABVIEW, ROS