Muhammad Ilham Rizqyakbar

Education

UNIVERSITAS ISLAM INDONESIA   Sleman, Yogyakarta
Computer Science. 3.73   Expected 2024

Experience

UNISI ROBOTICS   Sleman, Yogyakarta
Programmer   June 2021 – September 2022
- Using Robot Operating System, a meta-operating system, to communicate each sensor with micro-controller and processor via Publish/Subscribe messages.
- Using Python to programs robot path planning, kinematics, and object detection.
- Installing and configuring robots software and hardware needs with Ubuntu.
- Developing Web-based and GUI based Application base station used to control robots communication with referee box for the robotics contest.

LABORATORIUM TERPADU INFORMATIKA UII   Sleman, Yogyakarta
Laboratory Assistant   September 2021 – Present
- Tutoring student to understand basic concept of programming and algorithms by making flowcharts and programming based problems in Programming Logic course using raptor and python.
- Help students understand object oriented paradigm using Java
- Assist Lecturer at giving score for students assignment and exercise

INFORMATIKA UII   Sleman, Yogyakarta
Assistant Lecturer in Fundamental Computer Science   October 2021 – January 2022
- Giving feed backs to students exercise and assignment
- Provides detail scoring and make a summary table for students assignment using Excel

Projects

Dekost   April 2022 - July 2022
A web based application used to find boarding house for people around Yogyakarta. It's also an information system used by owner of the boarding house to manage their growth by providing data that has been visualize.

- This application is built using Javascript, PHP and using MySQL as its database.
- Final project for Information System course.

Turney   October 2021 - December 2021
An Android application used to inform and/or participate people about the upcoming e-sport event on their region

- This app is built using Kotlin and Firebase as a database/storage.
- Final project for Mobile Application Development course.
- Won an award as judge favorite at Informatics Expo 2021.

Achievement & Awards

Finalist at National Robotics Contest 2022   June 2022
Institut Teknologi Sepuluh Nopember, Surabaya   Puspresnas, Kemendikbudristek

Finalist at National Robotics Contest 2021   September 2021
Universitas Gadjah Mada, Yogyakarta   Puspresnas, Kemendikbudristek

Skills & Interests

Technical: Python [Intermediate Level], Javascript [Beginner Level], Software Development, Programming, Microsoft Excel.
Language: English [Full professional proficiency], Indonesia [Native proficiency].
Interests: Software Development, Programming, Artificial Intelligence.