

## Muhammad Ilham Rizqyakbar

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### Education

**UNIVERSITAS ISLAM INDONESIA**  
Computer Science. 3.73

Sleman, Yogyakarta  
Expected 2024

### Experience

#### UNISI ROBOTICS

##### Programmer

Sleman, Yogyakarta  
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

##### Laboratory Assistant

Sleman, Yogyakarta  
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

##### Assistant Lecturer in Fundamental Computer Science

Sleman, Yogyakarta  
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

Institut Teknologi Sepuluh Nopember, Surabaya

June 2022

Puspresnas, Kemendikbudristek

**Finalist at National Robotics Contest 2021**  
Universitas Gadjah Mada, Yogyakarta

September 2021  
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.