Bagus Satrio Nugroho

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Education

UNIVERSITAS GADJAH MADA   **Yogyakarta, Indonesia**
Bachelor, Electronics and Instrumentation.   Feb 2022
Thesis: MQTT Mosquitto Broker Performance Analysis on Raspberry Pi 4 Model B for Internet Of Things (IoT)
Field of Expertise: Internet of Things, Electrical Circuit Design, Hardware Programming, Computer Network, Instrumentation Control, Knowledge Transfer.

Experience

SMP NEGERI 2 KLATEN   **Klaten, Indonesia**
Robotic's Team Teacher (Part Time)   Nov 2019 – Mar 2022
- Taught junior high school students the basics of robotics such as programming, electronics design, simple project.
- Planned the teaching schedule.
- Guided students to take part in the national scientific paper competition.

PT NOCOLA IOT SOLUTION   **Cilacap, Indonesia**
IoT Engineer (Internship)   Jan 2021 – Feb 2021
- Developed and created electrical design of simple IoT device.
- Tested the coverage of the omnidirectional antenna within the line of sight.
- Learned MQTT Protocol and how to implement in the microcontroller.

Leadership & Activities

ELECTRONICS AND INSTRUMENTATION STUDENT ASSOCIATION (HMEI)   **Yogyakarta, Indonesia**
Head of Research and Technology Departement   Mar 2020 – Mar 2021
- Headed Research And Technology Department of HMEI.
- Supervised the Research and Technology Division and Study Groups Division.
- Liaised between lecturers and students related to research activities.

GADJAH MADA ROBOTIC TEAM   **Yogyakarta, Indonesia**
Hardware Programmer   Oct 2018 – Dec 2020
- Learned and analyzed hardware on wheeled soccer robot using STM32 microcontroller.
- Solved robot's bugs or errors together with the team and contribute to find the solutions.
- Made improvements to the robot's control system.

REGIONAL STUDENT ORGANIZATION'S TRY OUT EVENT   **Yogyakarta, Indonesia**
IT Team Leader   Aug 2019 – Jan 2020
- Handled a website-making project for event participant's registration.
- Responsibilized whether there are participant's e-registration trouble.
- Reported weekly progress at committee meeting.

Skills & Interests

Technical: Electrical Design, IoT System Design, Computer Network Design, Corel Draw, Adobe Photoshop
Language: Indonesian (Native), English (Advanced), Japanese (Intermediate)