

Bagus Satrio Nugroho

Jawa Tengah • Indonesia, Klaten 57412 • bagussatrionugoho@gmail.com • (+62) 821-3670-5365
<https://www.linkedin.com/in/bagus-satrio-nugroho-488172132/> • <https://bsnugroho7.github.io/profile/>

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 2019 – Mar 2020

- 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 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)