

FANDI ADINATA

Electrical Engineer, Embedded System Engineer,
Internet of Things Engineer

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CAREER OBJECTIVE

Electrical engineering student in Sebelas Maret University. Experienced in hardware design and Internet of Things hardware development. Also have experience in microcontroller programming such as Arduino, STM32, ESP, and Raspberry Pi based microcontroller boards. Looking to leverage my knowledge and experience into a role as hardware designer, embedded system engineer, or Internet of Things Engineer.

WORK EXPERIENCE

RESEARCH AND DEVELOPMENT STAFF – Lectro – July 2022 – Present

- Mainly working on research and development of fast charging system for electric motorcycle.

IOT AND HARDWARE ENGINEER – Enerma.id – Mar 2022 – Dec 2022

- Design and develop Enerma.id product. Work in product design and embedded system programming using Arduino and ESP8266 based microcontroller for monitoring systems and robotics.

RESEARCH ASSISTANT – Instrumentation and Control Laboratory, UNS - Sep 2021 – Dec 2021

- Design and develop bidirectional SMPS inverter with 2kW specification. Work with STM32 microcontroller and ESP32 for data transfer.

ELECTRICAL STAFF – SIAB Indonesia - Sep 2021 – Dec 2021

- Design electronic system of water recycling system to support data acquisition and monitoring with Internet of Things.

IOT ENGINEER INTERNSHIP – SIAB Indonesia - Jan 2021 – Apr 2021

- Design and develop raw water quality measurement with Internet of Things. The product is used in Yogyakarta, Karanganyar, and Surakarta.

SEBELAS MARET ROBOTICS TEAM – Sebelas Maret University - 2018 – 2022

- Head of Sebelas Maret Robotics Team Electrical Division. Also responsible to manage Remotely Operated Vehicle (ROV) team to develop underwater robot.

EDUCATION

SEBELAS MARET UNIVERSITY - Surakarta, Indonesia – 2018 – present

- Student of Electrical Engineering

SKILLS

Programming Skills

C, Python, Javascript.

Languages

Fluent in Indonesian Bahasa. Also understand basic English.