



# PRIMA NAFISMAN

## Electrical Engineering

### CONTACT INFO

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### MY EDUCATION

2022 - NOW

**Undergraduate of Electrical Engineering**

Gadjah Mada University

2019 - 2022

**Senior High School**

State of 1 Magelang Senior High School

### INTEREST



Control System



Embedded System



Instrumentation



Organization

### HOBBIES



### ABOUT ME

I am a hard worker, highly motivated at work, have good communication, and easy to learn new things. I like learning new things, I am highly interested in technology, and focus on my targets. I am always committed to be better, working honestly, diligently, thoroughly, disciplined, responsibly, and ready to work under pressure.

### ORGANIZATION

**Tanoto Scholarship Association UGM**

**2023 - NOW, EXTERNAL AND NETWORKING DIVISION**

- Responsible for maintain and establish relationships and communication with outsiders of the organization

**ARJUNA Electric Vehicle Team**

**2022 - NOW, HEAD OF ENERGY STORAGE DIVISION**

- Responsible designing, testing, and manufacturing energy storage for EV especially in battery system

**U-Crew Microsoft Student UGM**

**2023 - NOW, INTERNAL TECHNICIAN**

- Responsible for all technical problems such as accommodation, equipment, and panning for internal ogranization

**Informatic Clinic Community**

**2020 - 2021, CHAIRMAN**

- Coordinate all organization's activities and its work programs

**Ikatan Remaja Masjid Nurul Huda**

**2020 - NOW, HEAD OF RELIGIOUS DIVISION**

- Coordinate all religious program schedules

**Dewan Islam Sekolah**

**2019 - 2021, MEDIA DAKWAH DIVISION**

- Manage all media needed for da'wah



## EXPERIENCE AND AWARDS

### Formula Student Automotive Engineers DEC 2023, Melbourne Australia

- The FSAE competition featured the ARJUNA EV Team as the sole representation from Indonesia. Competing against 35 international university students, the team secured the 16th overall position, making them the first EV team to participate in the dynamic event.

### Best Discrete Mathematics Tutorial Nov 2023, TUTOR

- Best dedicated to teach the 1st semester of collage student to understand Discrete Mathematic in extra collage

### Tanoto Scholar Association at Gelex Aug 2023, PROJECT LEADER

- Coordinate, make a planning, analyzing, and make a proper decisions for the team

### Tanoto Scholar Association SOCIAL PROJECT Sept 2023, EVENT COORDINATOR

- Coordinate, make a planning, analyzing, and make a proper decisions for the event

### TSA UGM BENCHMARKING with TSA UNDIP May 2023, EVENT COORDINATOR

- Create a event Benchmarking UGM with TSAnjangsana UNDIP to discuss each TSA programs

### Pameran Edukasi Magelang 2021, HEAD OF WEBSITE DIVISION

- Coordinate all website division's member to create as well as manage the website and server

### Pemilihan Ketua Osis SMAN 1 Magelang 2021, HEAD OF WEBSITE DIVISION

- Coordinate all website division's member to create as well as manage the vote website and server

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### PROJECT

#### AMS PACKAGE v4

##### NOW 2024, ARJUNA ELECTRIC VEHICLE TEAM

- The AMS or Accumulator Management System package consists of three separate boards: the AMS AFE (Analog Front End), TSEB (Temperature Sensor Extension Board) and CAN BUSmodule. This stack will be installed on every battery module to monitor the cell voltage, cell temperature, and control the cell balancing

#### Accumulator Interface v3

##### JAN-DEC 2023, ARJUNA ELECTRIC VEHICLE TEAM

- The Accumulator Interface Board serves as a conduit for the data acquired from the AMS Interface Board through UART and the cell temperature data from TSEB via isolated CAN BUS. It compiles and sent all the essential data to the Vehicle Communication Interface.

#### ELECTRICAL IMPEDANCE TOMOGRAPHY

##### NOW 2024, PEKAN KREATIVITAS MAHASISWA

- The research title Analisis Sistem Pemantauan Tingkat Keasaman Lambung Pasien GERD secara Real-Time Berbasis Electrical Impedance Tomography yang Terintegrasi Mobile Apps. That is new solution using Electrical Impedance Tomography (EIT) technology for non-invasive checking of gastric acid pH levels.

#### AUTONOMUS EXCAVATOR

##### NOW 2024, ABAROBOTIC x ERIC UGM

- My role as Electronics, Minimum System, Converter, Power Management in the implementation of intelligent and intuitive robotics systems, supported by artificial intelligence, is expected to reduce dependence on human labor, minimizing human error.

#### PI-EV 2024 Concept Challenge as Energy Storage

##### NOW 2024, FORMULA BHARAT INDIA

- As the Head of the Energy Storage Sub-Division, I am responsible for coordinating, conceptualizing, and designing the accumulator, battery modules, and safety systems for the Formula Student Electric Vehicle Powertrain Package in compliance with the technical guidelines and prepare documents: FMEA Report (Failure Modes and Effects Analysis Report), Procurement Strategy Report, Team Management Report, Design Specifications Sheet Report (DSS), Engineering Design Presentation (EDP), Q&A Sessions