Naufal Rashad Aryaputra

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EDUCATION

GADJAH MADA UNIVERSITY   Yogyakarta, Indonesia
Applied Bachelor of Instrumentation and Control Engineering   Aug 2019 – present
Cumulative GPA: 3.3/4.00
Relevant Coursework: Electrical Engineering, Robotics, Automation

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EXPERIENCES

Malone Groups INTERNSHIP   Burton-on-Trent, UK
Intern | Engineering Consultant Company   Nov 2022 – Oct 2022
- Provided Malone Group pricing and bundling strategy for their IoT system utilizing sensors.
- Working with major companies on UK such as Alton Towers, Smurfit Kappa, and El-watch sensor to provide solution over their complex problems.
- Planned IoT Sensors features and capabilities based on the customer needs.

PIMNAS 34   Yogyakarta, Indonesia
Team Leader | National Student Science Week   June 2021- Oct 2021
- Lead team consisting of 4 person to developed a robot to measure floor level with IMU sensor to add more measurements accuracy.
- Designed product specification, brandings, poster and documentations.
- Successfully lead a team start from proposal submission, funding, product development and final presentation.

Gadjah Mada Robotic Team   Yogyakarta, Indonesia
Team Captain | Al-Fatih Four Legged Search and Rescue Robot Division   Jan 2020 – Aug 2022
- Directed 7 team member to collaborate and maintaining team cohesiveness to worked on a four-legged robot to increase its movement speed and better stability.
- Worked specifically on the robot gait, inverse kinematics, algorithms, and LIDAR sensor.

First Global Challenge 2018   Mexico City, Mexico
Lead Electrical| International Robotic Challenge with 160+ Countries participated   Jan 2018 – Sept 2018
- Designed the robot electrical and mechanical systems to solve problems given by First Global. Specifically worked on the gripping mechanism to finish the main objective.
- Successfully achieved bronze medal for creativity in engineering, beating more than 160+ other countries.

PROJECTS EXPERIENCE

IRV project for PT. KAI   Yogyakarta, Indonesia
Electronics Engineering | Railway Measurement System   Jan 2020 – Jan 2022
- IRV is a smart measurement system for PT. KAI to measure any crack on their railway automatically by using sensors and IoT system with data analysis.
- Developed a full electronics system consisting of gateway, battery, sensor, and wireless communication system.
- Debugged and trial error the electronics system for a better stability and accuracy.

SKILLS

Language: Bahasa Indonesia (native) and English (DET Score: 130 equals to TOEFL iBT Score: 98-103)
Programming Language: C++, Python;
Engineering Software: Fusion360, Eagle, Solidworks, Visual Code.

AWARDS

IISMA Awardee at Coventry University, United Kingdom.
Finalist of PIMNAS 34
Funded Program Kreativitas Mahasiswa 2021