Anggriawan Rayzadmiko

Bogor Regency, West Java | +6281310008091 | anggriawan.net@gmail.com | https://linkedin.com/in/anggriawanr | https://razd-net.vercel.app

Summary

A fresh graduate in System and Instrumentation Physics, who has great interest in IoT and website development. Also known as hard-working college student which loves to solving problem, troubleshooting, and have great attention of detail. Have experienced in embedded C programming and Next.js framework.

Experience

Erlangga
Freelance – Motion Graphic   Dec 2022 – Feb 2023
- Created animation video using Adobe After Effects
- Created assets for the animation
- Responsible for video quality according to client requests

BRIN
Research Assistant   Aug 2022 – Nov 2022
- Modeled and developed a PID controller using Raspberry Pi programmed with Python and tuning it, achieve a very stable response on rocket flight
- Modeled and developed a control system for rocket VTOL that achive miss distance less than 1 meter on simulation
- Suggested the controller algorithm method
- Assisted in a journal writing

Exedu Start-Up Project
UI Designer   Jul 2021 – Jul 2022
- Designed a google based website (Google Sites) that have more than 1500 users
- Created a website prototype in Figma and collaborated with Product Manager
- Collaborated with content writer to maximize the UI design according to the content, achieve a responsive web across any platform
- Designed attractive content design to reach the public in instagram

Universitas Indonesia
Control System Laboratory Assistant   Feb – Jul 2022
- Evaluated practitioner's competence in the form of a presentation
- Trained practitioners about control theory in practice with microcontroller and data acquisition software

Lembaga Penerbangan dan Antariksa Negara (LAPAN)
Research Intern   Jul – Sept 2021
- Built a PID controller with LabVIEW and implement it on rocket flight guidance and VTOL, resulting miss distance less than 1 meter on simulation
- Reported the progress and method of the controller algorithm

Education

Universitas Indonesia
Bachelor of Science – Physics – Instrumentation Physics   Graduated: Jul 2022
GPA 3.51/4.00
- Thesis Research: Design of Cold Probe Temperature Controller on Thermoelectric Material Characterization System using Microcontroller
- Digital Signal Processing Project: Speech Recognition Based on Mel Spectrogram with Deep Learning using MATLAB and Python
- Sensors and Actuators Project: Design and Build Vehicle Noise Test System for Two-Wheel Motor Vehicle

Technical Skills

Arduino | Python | Embedded C | HTML5/CSS3 | JavaScript | React | Next.js | MongoDB | MySQL

Organization and Volunteer

Physics Department Student Association
Staff   Feb 2020 - Feb 2021
Designed attractive content to reach the public in instagram and students

Pesta Rakyat Fisika (PRF)

Staff of Quiz Competition at Elementary School Level   Jan - Februari 2020
    Designed attractive and interactive question with PowerPoint