JULIAN REZA ERWANDI

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OBJECTIVE

I am a Software Engineer at PT TEC Indonesia. I completed my Bachelor of Robotics Engineering from Batam State Polytechnic in 2022. While in college, I was a member of the Humanoid Robot Research Group (BarelangFC) as a programmer team. I am interested in programming, especially **desktop applications**, **robotics**, **computer vision**, **microcontrollers** and **artificial intelligence**. I like to try new things and try to keep growing. You can find my portfolio through my **Github Repository** or **Personal Web Page** [link].

EXPERIENCE

- **PT. TEC INDONESIA | |** BATAM, KEPULAUAN RIAU, INDONESIA
  Software Engineer (July 2022 – **Present**)

- **PT. KUANTUM GABE INTEGRITAS | |** BATAM, KEPULAUAN RIAU, INDONESIA
  *Programmer (**Internship**)* (March 2022 – July 2022)
  - Worked on a project monitoring temperature and humidity. In this project I am responsible for microcontroller programming using ATMEGA2560 + ESP32 as MQTT client.
  - Worked on a project monitoring temperature and humidity. In this project I am responsible for microcontroller programming using ATMEGA2560 + Ethernet W5500 as MQTT client.
  - Worked on a project monitoring temperature and humidity. In this project I am responsible for microcontroller programming using STM32F103C8T6 + Ethernet W5500 as MQTT client and save config to EEPROM
  - worked on a project outgoing tester. in this project I am responsible for UI software, run .sql script in VB.Net for create database programmatically.
  - Develop software serial tester (VB.Net + SQLite)

- **HUMANOID ROBOT RESEARCH GROUP (BARELANG FC) |** BATAM, KEPULAUAN RIAU, INDONESIA
  Programmer (2018 – 2022)
  - As a programmer team member, I am responsible for Robot programming, Robot localization based on C, C++, C#, Python, Inverse Kinematics and Computer Vision.

EDUCATION

- **BATAM STATE POLYTECHNIC |** BATAM, KEPULAUAN RIAU, INDONESIA
Robotics Engineering (August 2018 – August 2022)
  - **GPA** : 3.8 [transcript]
  - **Final Project :** Differential evolution for solving inverse kinematics problem in the upper body of an adult-sized humanoid robot [link]

- **SMAN 2 TEMBILAHAN |** INDRAGIRI HILIR, RIAU, INDONESIA
IPA (2015 – 2018)

SKILLS

- Programming base on C, C++, C#, VB.net, Python
- Microcontrollers Programming
- Computer Vision
- Internet of Things (IoT)
- SQL
- Research and Development
- PLC

CERTIFICATIONS

PLC | **Badan Nasional Sertifikasi Profesi (BNSP)** [link]

ACCOMPLISHMENTS

Some of my achievements so far are as follows [link].