



Summary

Results-oriented computer engineer with expertise in hardware design, software development, and project management. Proven track record of delivering innovative solutions in a fast-paced, deadline-driven environment. Strong problem-solving and analytical skills.

Beginner web developer in front-end development. Proficient in HTML, CSS, JavaScript, and responsive design. Strong problem-solving and time-management abilities. Seeking new opportunities to improve skills on front-end development.

Featured Projects

Embedded System Thesis

I have successfully completed my thesis titled "Water Quality Monitoring and Recommendation System for Tilapia Seeds Aquaculture Using Turbidity, Temperature, and pH Parameters with Random Forest Algorithm" as part of my academic research. I create a tool to detect the values of pH, temperature, and turbidity. Then, the results of reading the values will provide recommendations for actions to be taken in the tilapia fish pond. Some key features includes:

- Review Literature to explored technologies.
- Identified key requirements for the monitoring tool.
- Collect datasets to be used as training data.
- Create Random Forest as Machine Learning using Python.
- Convert Python into C at Arduino IDE using Micromlgen.
- Create system to detect values and provide recommendations
- Analyzed the accuracy of sensors and Random Forest Algorithm.

Duration: The development of this Thesis took approximately six month to complete.

Thesis : <https://bitly.ws/3aYfv>
Source code : <https://bitly.ws/3aYfG>

Portofolio Website

I created portofolio website for learn how to create a dynamic website. I also learned about NextJS and Tailwindcss while creating this portofolio website. I created this portofolio website using NextJS, Tailwindcss, Framer-Motion, ReactJS, and Vercel. This portofolio website includes:

- Displays a brief description of my personal data.
- Displays experience in organization and courses.
- Showing the projects that I have created.
- Displays my personal contacts in the form of email, LinkedIn, Instagram, and Github.
- Provide a resume files.

Duration: The development of the portofolio website took approximately a month to complete.

Live Project:
<https://jasonwijayaportofolio-jason-wijayas-projects.vercel.app/>

Experience

- **Raion Community**
Mar 2021 - Dec 2022 - Game Programmer.
My role is to design and develop the 2D Game using Unity Engine. Conducting bug fixing and performance optimization.
- **Raion Community**
Jan 2022 - Dec 2022 - Vice Chairman.
Played a key role in driving the organization's growth and development through innovative strategies and effective leadership.

Skills and Tools

- Languages:

Front-End	JavaScript	ReactJS	HTML5
	NextJS		
Computer Engineering	Python	C++	C
Game Developer	C#		
- Techonologies:

UI related	Tailwindcss	CSS3
	Chakra UI	
- Tools & Software's:

Code Related	VS Code	Arduino IDE	npm
	Git	Github	Vercel
	Netlify	Unity	
Design related	Canva		

Education and Certifications

- **Computer Engineer**
Brawijaya University
08/2020 - 04/2024 [View Certificate](#)
- **Front-End Engineering**
Ruangguru CAMP
02/2023 - 06/2023 [View Certificate](#)