

KYLE CHRISTIAN P. BELONO

Purok Silangan Ubaldo Laya, Iligan City, Philippines

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EXPERIENCE

my.ComApps TRAINING ASSISTANT

MSU - Iligan Institute of Technology

February - December 2024
Iligan City, Philippines

- Planned, scheduled, and coordinated with stakeholders for training events.
- Supported data collection, analysis, and documentation.
- Managed administrative tasks and project documentation.
- Facilitated embedded systems workshops and provided hands-on training.

Web Developer (Intern)

PRISM, MSU - Iligan Institute of Technology

August – January 2024
Iligan City, Philippines

- Designed UI/UX mockups using Figma, enhancing user engagement.
- Developed and deployed web prototypes with HTML, CSS, and JavaScript.
- Collaborated on design iterations based on user feedback.
- Utilized Bootstrap and Chart.js for responsive design and data visualizations.

Panel for Web Development Subject

MSU - Iligan Institute of Technology

December, 2024
Iligan City, Philippines

- Evaluated and provided feedback on student web projects.
- Reviewed web development concepts and assessed UI/UX, functionality, and responsiveness.

RESEARCH

Unpublished Research Article

Title: SMART VERTICAL FARMING FOR (*Allium cepa*) ONION AND (*Allium sativum*)

GARLIC SPICES USING ESP8266

- Conducted research focusing on the application of IoT for vertical farming, using ESP8266 for environmental monitoring.
- Developed a soil-based vertical farming system integrated with Blynk and ThingSpeak for remote monitoring and control.
- Aimed at promoting sustainable farming practices by optimizing environmental conditions with real-time data collection.

PROJECTS

RSchool

Skills: HTML, CSS, JavaScript and PHP

Tools: Chart.js, Figma and Bootstrap

- Developed a web application that provides tailored course recommendations for senior high school students applying to universities, utilizing HTML, CSS, and JavaScript for dynamic functionality.
- Designed an intuitive and visually engaging user interface using Figma and integrated Bootstrap to ensure a modern, responsive design across multiple devices.
- Incorporated Chart.js to create interactive data visualizations, enabling students to compare and evaluate course options effectively.
- Completed the project during an internship, showcasing expertise in UI/UX design, front-end development, and building educational tools.

SMART VERTICAL FARMING FOR (*Allium cepa*) ONION AND (*Allium sativum*) GARLIC SPICES USING ESP8266

Skills: C++, IoT, Embedded

Tools: Arduino IDE, Blynk, Thingspeak

- Designed and implemented a Smart Vertical Farming System for *Allium cepa* (onion) and *Allium sativum* (garlic) spices, integrating IoT solutions for sustainable agriculture.
- Developed the system using the ESP8266 microcontroller, with real-time monitoring and control of environmental factors (temperature, humidity, and soil moisture) via Blynk and ThingSpeak platforms.

- Programmed sensors and actuators to optimize growth conditions, ensuring efficient resource utilization.
- Presented the project as part of a thesis, showcasing expertise in IoT development, UI design, system integration, and agricultural technology innovation.

Interactive Math Learning Website

Skills: HTML, CSS

- Developed an interactive website aimed at making learning math more enjoyable and accessible.
- Interactive Search Box: Enables users to easily search for math-related content.
- Responsive Layout: Ensures the website works smoothly on desktop and mobile devices.
- Intuitive Navigation: Clear menus for easy navigation through the site.
- Engaging UI: Vibrant colors and interactive elements enhance user experience/

FitLife Gym Website

Skills: HTML, CSS, JavaScript

Tools: Bootstrap

- Developed a fully responsive, accessibility-focused fitness website with customizable font controls, dark mode, and voice assistance functionality for enhanced user experience
- Implemented dynamic features including workout displays and an interactive review system using HTML5, CSS3, and JavaScript
- Prioritized web accessibility standards by incorporating ARIA labels and semantic HTML, ensuring the platform is inclusive and accessible to all users.

WeatherHub - Live Weather Station

Skills: HTML, CSS, JavaScript, API Integration

Tools: Bootstrap, Leaflet

- Developed a weather dashboard displaying real-time conditions, hourly forecast, and historical data with interactive charts.
- Integrated an interactive weather map using Leaflet.js with temperature, precipitation, and wind overlays.
- Implemented Units Toggle (Celsius/Fahrenheit) and Dark/Light Theme Toggle for user customization.
- Optimized design for responsiveness across devices.

EDUCATION

Mindanao State University – Iligan Institute of Technology

Bachelor of Science in Computer Applications

Major in Internet of Things (IoT)

Iligan City, Philippines

2019 – 2024

Iligan Computer Institute (ICI)

Senior High School

TVL: Computer Engineering

Iligan City, Philippines

2017 – 2019

KNOWLEDGE & SKILLS

Programming: JavaScript, C, C++, PHP

Web Development: HTML, CSS, Bootstrap, Responsive Design, JavaScript

Designing: Figma and Canva

Technical Expertise: Machine Learning, Internet of Things (IoT), Embedded Systems, Software Proficiencies

CERTIFICATES & TRAININGS ATTENDED

my.ComApps – Training/Workshop Introduction to Embedded Systems

facilitator

April 24 – 26, 2024

Create.Code – Introduction on Embedded System especially in ATmega328P

facilitator

July 17 – 29, 2024