

Garcia, Michael James E.

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Computer literate with experience in web development and UI/UX designing.

KEY COMPETENCIES

Proficient in report writing, presentations, and critical thinking. Well-organized and able to work efficiently both independently and as part of a team.

- **Front-End: HTML, CSS, JavaScript, Tailwind CSS, Bootstrap, React**
 - **Back-End / Frameworks: Laravel, PHP, Java**
 - **Databases: MySQL, Firebase, MongoDB**
 - **Tools & Technologies: Git, MS365, Postman, Docker, Figma**
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EDUCATION

College - NU Fairview 2021 - 2025
BS in Information Technology w/ Specialization in Mobile and Internet Technologies

SHS - AMA Fairview 2019 - 2021
TVL - Information and Communications Technology

PROFESSIONAL EXPERIENCE

Gallium31 - Full-stack Intern November 2024 - June 2025

- Designed the prototype and collaborated efficiently with a team to develop the overall structure of **spaceport.ph**. Established the foundation using WordPress hosted on BlueHost, organizing separate staging and production sites, and set up Git repositories for better workflow management. Used standard front-end development practices and utilized PHP along with various Wordpress plugins to build website components. Ensured acceptable performance metrics and maintained an SEO-friendly layout by managing Yoast SEO settings and monitoring the site through Google Search Console.
 - Developed a dynamic employee management system using the MERN stack for a technical exam. Included dynamic model creation with auto CRUD, audit logging, soft deletion, data validation, and JWT-based authentication. Tested APIs with Postman and packaged the system using Docker for use on a Linux VM (Workstation 14).
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ACADEMIC EXPERIENCE

Harmony 2023

Designed and developed the user interface for Harmony, a Voice over Internet Protocol (VoIP) mobile application enabling real-time audio communication. Integrated Jitsi APIs for audio and video functionality, and used Firebase for data storage and instant messaging.

Arduino Uno Sewage Flood Alarm with SMS Alerts 2023

Developed an Arduino Uno-based sewage flood alarm system capable of detecting rising water levels. Programmed the system to send SMS alerts upon reaching critical thresholds and to monitor real-time water depth. Selected, along with a few batchmates, to present at the IoT Conference 2023 as part of a university showcase.

RFG 2023

Developed a web-based online ordering system for RFG Goods with a team, using Laravel, Tailwind CSS, and MySQL. Developed features to streamline the ordering process, improve user experience, and enable efficient order management.

AGES: Automated Gate Entry System 2024

Developed a scale model of an automated gate entry system for Hillcrest Village with a team, using RFID technology and an ESP32 microcontroller with DC motors to automate gate access. The system tracks vehicle, resident, and visitor entries, with all data stored in Firebase. A built-in website, hosted on the board and developed using HTML5, provides real-time monitoring and data access.