Garcia, Michael James E.

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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, Agile/Scrum**

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

Full-Stack Intern – *Gallium31*   **November 2024 - June 2025**

- Collaborated with a team to design and develop spaceport.ph, establishing its structure on WordPress (BlueHost) with separate staging/production sites and Git-based workflow.
- Designed prototypes and built website components using PHP, standard front-end practices, and WordPress plugins.
- Optimized performance and maintained SEO standards using Yoast SEO and Google Search Console.
- Developed a MERN stack employee management system for a technical exam with dynamic model creation, CRUD, audit logging, JWT authentication, and Docker deployment on a Linux VM.

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.