

# 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**

## EDUCATION

<b>College - NU Fairview</b> <i>BS in Information Technology w/ Specialization in Mobile and Internet Technologies</i>	2021 - 2025
<b>SHS - AMA Fairview</b> <i>TVL - Information and Communications Technology</i>	2019 - 2021

## PROFESSIONAL EXPERIENCE

<b>Gallium31 - Full-stack Intern</b>	<b>November 2024 - June 2025</b>
<ul style="list-style-type: none"><li>• Collaborated efficiently with a team to design the prototype and develop the overall structure of <b>spaceport.ph</b>. 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.</li><li>• 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).</li></ul>	

## ACADEMIC EXPERIENCE

<b>Harmony</b>	<b>2023</b>
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.	
<b>Arduino Uno Sewage Flood Alarm with SMS Alerts</b>	<b>2023</b>
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.	
<b>RFG</b>	<b>2023</b>
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.	
<b>AGES: Automated Gate Entry System</b>	<b>2024</b>
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.	