

CARL JEREMIAH C. BARTOLOME

COMPUTER ENGINEER

Lucsuhin, Silang Cavite | 09166136891 | carlbtrlm@gmail.com

Computer Engineering graduate with skills in web development, database management, and IT support. Experienced in computer troubleshooting, network management, and IoT-based systems. Strong background in system monitoring, software-hardware integration, and problem-solving. I am eager to contribute to the tech industry and grow my career.

TECHNICAL SKILLS

- Programming & Web Development: HTML, CSS, JavaScript, PHP
- Database Management: MySQL, SQL basics, Database Design
- IT & Networking: Computer Troubleshooting, LAN Setup, Network Management
- IoT & Embedded Systems: Arduino Technologies, Sensor Integration, System Monitoring
- Tools & Software: Microsoft Office, Video Editing (Adobe Premiere, Filmora), Median App Studio, Hostinger (Domain & Hosting Setup)
- Other Skills: Communication, Leadership, Team Collaboration, Problem-Solving

CERTIFICATIONS

- Information Technology Specialist – Databases | Certiport | June 2023
- Safety Officer 2 (BOSH Training) | June 2023

EDUCATION

Bachelor of Science in Computer Engineering

August 25, 2021 - August 19, 2025

Lyceum of the Philippines University—Cavite Campus

WORK EXPERIENCE

IT - Associate

July 2024 - August 2024

Unida Christian Colleges

- Installed and configured network devices across school buildings.
- Managed IT inventory and computer supplies.
- Troubleshoot technical issues for faculty and staff.
- Designed and implemented a Digital Attendance System.

PROJECTS

Development of an Arduino-Based Water Quality Monitoring in Deep Well Water Tanks Using Internet of Things (IoT)

- Designed an IoT-based system using Arduino and sensors to monitor water quality (pH and turbidity).
- Built a mobile app (Median App Studio) and web dashboard (PHP, CSS, JavaScript) for real-time monitoring.
- Implemented automated alerts for abnormal water conditions.
- Project was nominated for Best Thesis Project at the 11th COECSA Research Colloquium 2025.

LEADERSHIP & OTHER EXPERIENCES

Vice Chairperson – External | LPU Harmonic Chorale | Aug 2024 – Aug 2025

- Organized external partnerships and represented the choir in events.

Director of Communication | ICEP – LPUCSC | Aug 2023 – Aug 2024

- Coordinated communications, publications, and social media.

Property Manager | LPU Harmonic Chorale | Jan 2023 – Aug 2023

- Handled logistics and coordinated event resources.

Youth Ministry President | Unida Christian Church Silang | May 2021 – May 2025

- Led youth programs and delivered public speaking engagements.