

Lance Andrei C. Sombillo

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Education:

Bachelor of Science in Computer Engineering

2021 - 2025

Holy Cross College - Sta. Lucia, Sta. Ana, Pampanga, Philippines

- **Capstone Project:** RDLJ Smart Bin: Development of Smart Solar-Powered Trash Bin at Holy Cross College.
- **Joined Organization:** ICpEP.SE – HCC Chapter and MRSP
- **Academic Achievement(s):**
 - Conducted Seminar-Workshop entitled as “Introduction to Arduino: From zero to your first project.” – awarded with: *Best Speaker* and *Best Group*.
 - Achieved 2nd Best Presenter in HCC Research Colloquium.
- **Competition Achievement(s):** Champion - 2025 Regional MRSP Robotics Competition

Experience:

A2K Group || On-the-Job Trainee (Hardware Developer)

June – July 2024

K&A-8, Arcade Building - Jose Abad Santos, Bacolor, Pampanga, Philippines

- **240-Hours** On-the-Job Training Program. Worked with a 3-man Team on **Hardware Development** as the Team Representative.
- Built an **ESP32-based project**, with the integration of **IoT concepts, Sensors, Motors** and **Modules**. Utilized **3D Modeling** to create the Hardware Design.
- Developed a **Flutter** Mobile Application for real-time control and feature interaction, while ESP32 serves as an **Access Point** to control/access the project.

Software Project(s):

- LACS Phonebook: uses CRUD
- PyCalculator: Multipurpose Calculator
- The Element: uses an API Call

Hardware Project(s):

- SphereCapture: 360 Video Booth
- Lacs-leaks: Gas Sensor
- RDJ - Smart Pet Feeder: IoT device
- DIY Controllable Mini Car

Character Trait(s):

Technical Skill(s): Java, Python, Dart, MySQL, Git, Arduino Programming, 3D Modelling, Schematic Designing, Documentation, Presentation, Graphic Designing.

Soft Skill(s): Adaptive, Flexible, Active Listener, Resilient, Team Collaborative.

