

# Lance Andrei C. Sombillo

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## Experience:

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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 design of the hardware.
- Developed a **Flutter** Mobile Application for real-time control and feature interaction, while ESP32 serves as an **Access Point** to control/access the project.

## Featured Project(s):

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### 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
- Remote Controlled: Mini Car

## Education:

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Bachelor of Science in Computer Engineering 2021 - 2025  
*Holy Cross College - Sta. Lucia, Sta. Ana, Pampanga, Philippines*

- **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 2<sup>nd</sup> Best Presenter in HCC Research Colloquium.
- **Competition Achievement(s):** Champion - 2025 Regional MRSP Robotics Competition