



# EMMANUEL CHRISTOPHER M. PAGULAYAN

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<https://emmanuegit.github.io/ECMPagulayan-Portfolio/>

## CAREER OBJECTIVE

To assume a position where I can effectively apply and further develop my knowledge and skills, contribute to your company's success, and gain valuable hands-on experience.

## EDUCATION

Expected Graduation: August 6, 2025  
**Technological University of the Philippines**

**Bachelor of Engineering Technology**  
Major in Computer Engineering Technology

2019 - 2021  
AMA University

**Strand - STEM**  
Senior High School Diploma

2015 - 2019  
San Francisco High School

**Special Program in the arts - Visual Arts**  
High School Diploma

## EXPERIENCE

**Solutions Intern - Procurement and Supply Institute of Asia, Makati (Aug 30 – Dec 21, 2024)**

- **Managed** and updated **databases** using **Excel** and **Box.app**, and **visualized the data using Power BI**.
- Supported event operations as an usher, event coordinator, and design contributor.
- Collaborated with team members to ensure seamless event execution.

**Thesis Project – Automation System Developer, Technological University of the Philippines (2025)**

- Designed and developed automation software using **Arduino IDE** and ESP32.
- Created a **mobile application** using **.NET MAUI** and **Visual Studio 2022**.
- Implemented data communication between hardware and app via Wi-Fi/HTTP.
- Used Visual Studio Code for **frontend/backend logic and debugging**.
- Built a working **web app** with both **frontend and backend logic** — running entirely on the ESP32.
- implemented **CRUD operations** to handle various transactions made within the system.

## SKILLS

## AWARDS

- Proficient in **Arduino IDE**, **Visual Studio 2022**, and **Visual Studio Code**
- Programming Languages: **C++, C#, HTML**
- Basic understanding on **Java, Python, and SQL**
- Familiar with **Visual Basic** syntax and structure through .NET environment
- Tools: **TinkerCAD**, **Power BI**, **DOSBox**
- Software: **Adobe Premiere Pro**, **Photoshop**
- Adaptable, organized, reliable, and efficient
- Microsoft Office - Excel, Word, Power Point

- TUP Dean's Lister Academic Year 2022-2023
- TUP Dean's Lister Academic Year 2023-2024
- AMA Graduated with High Honors

## REFERENCES

(Contact info available upon request)

### Prof. Ronald B. Ebrada

- High School professor

### Ronald L. Quitain

- Thesis Adviser
- College Professor at TUP Manila

### Edmund Campos

- Lead Solution specialist
- Internship Lead Supervisor