# Pons Anthony R. Advento

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## EDUCATION

**National University**                                                                      Fairview, Quezon City
Bachelor of Science in Computer Engineering                                   2025
*SM Scholar*

Capstone Project: EcoConvert: Reverse Vending Machine of Single Use Plastics and 1.5 liter PET Bottles turning them into Ecobricks

Relevant Coursework:
- Best Capstone Award (2025)
- Exhibit Sumobot Competition Champion (2024).
- Marcus' Sumobot Competition Champion (2024).
- Created an 8-bit computer using Integrated Circuits (ICs) (2024).
- Conducted Electronic Circuits review sessions. (2023).
- Dean's Lister (2021-2023).

**Commonwealth High School**                                                            Quezon City, NCR
Science, Technology, Engineering, and Mathematics,                        2021
*Graduated with high honors*

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## TECHNICAL SKILLS

**Programming:** HTML, CSS, JavaScript, JQuery, Bootstrap, React, Node + Express, MySQL, PostgreSQL, Flutter/Dart

**Version Control & Collaboration:** Git, GitHub, Microsoft Teams.

**Software Tools:** VS Code, Visual Studio, Flowgorithm, Figma, Microsoft Office 365, Canva, Photoshop, Adobe Illustrator, Premiere Pro.

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## EXPERIENCE

**Bureau of Agricultural and Fisheries Engineering**                       Quezon City
**Web Developer Intern**                                                                      2025
- Developed a dynamic dashboard landing page to effectively display the department's inventory data.
- Built and optimized custom SQL queries within the Yii2 framework for efficient data retrieval.
- Integrated AJAX-based pagination to enhance data loading and improve user experience.
- Utilized Bootstrap to design responsive and user-friendly front-end interfaces.
- Implemented interactive JavaScript charts for clear and impactful data visualization.
- Strengthened application security by applying Yii2's built-in protections against SQL injection and other common vulnerabilities.
- Utilized php Yii2 framework's MVC architecture for better workflow and management.
- Successfully managed database using phpMyAdmin.
- Explored database normalization using MySQL.

**BongKim Security Agency**                                                              Quezon City
**Freelance Web Developer**                                                               Nov 2024 – Feb 2025
- Created a payroll management system website using Flutter and Firebase, streamlining salary processing.
- Incorporated secure authentication and role-based access control, strengthening data security.
- Implemented data partitioning separating the concerns for database optimization.
- Refined backend logic to maintain accurate payroll calculations, reducing errors.
- Engaged with stakeholders to ensure system features aligned with business operations, improving efficiency.
- Published the functional payroll web page with firebase hosting.

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## PROJECTS

**ChatMate**                                                                                         Quezon City
**Web Developer**                                                                               2025
- Successfully developed a chat system using socket.io.
- Implemented a basic React architecture.
- Utilized React, Node.js with Express and httpServer.
- Explored tailwind CSS for faster CSS management.

**E-Commerce**                                                                                   Quezon City, NCR
**Web Developer**                                                                               2022
- Designed, developed, and deployed a fully functional e-commerce website using HTML, CSS, and JavaScript.
- Implemented dynamic front-end logic to enhance user experience and interactivity.
- Collaborated with groupmates using Git and GitHub for version control and project management.

## LEADERSHIP AND ACTIVITIES

**Association of Computer Engineering Students**                  Quezon City, NCR
**Vice President – Creatives**                                                   2022-2023
- Led the creatives team in designing publication materials.
- Produced and edited promotional videos for events and announcements.
- Assisted in managing documentations of organizational records.

**Robotics Academy – Commonwealth High School**          Quezon City, NCR
**Student – Lead Competitor**                                                2018-2020
- Main prototype programmer (C++) for robotics competitions.
- 2$^{nd}$ place - Robotics S.I.P. District Meet.
- 3$^{rd}$ place - Robotics S.I.P. Regional Meet.
- World Robotics Olympiad and Philippines Robotics Olympiad School Representative.

## CERTIFICATIONS

- Full Stack Development (Udemy - 2025)
- Internship Completion (BAFE - 2025)
- Cybersecurity (2024).
- Cisco Network Support and Security (2024).
- Cisco Networking Basics (2024).
- Cisco Computer Hardware Basics (2024).

**Interests:** Software Engineering & Development, Cloud Computing & IoT Solutions, Open-source contributions & Tech Communities.
**Language:** Proficient in Tagalog and English