JACOB SANTOS

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Education

Emilio Aguinaldo College – Manila   1113 San Marcelino St, Paco, Manila, Metro Manila
Bachelor of Science in Computer Engineering   *July 2025*
- Cum laude, Leadership Awardee, Merit Scholarship (2021 - 2025)

Relevant Coursework: Artificial Intelligence, Embedded Systems, Machine Learning, Cybersecurity, Database Systems, Software Design, Microprocessors, Operating Systems, Computer Networks, Object Oriented Programming

Cayetano Arellano High School   Teodora Alonzo, Santa Cruz, Manila, 1008 Metro Manila
Graduated With Honors   *April 2019*

Experience

VXI Global Holdings Inc. B.V.   G/F SM Cyber Two Bldg., EDSA Buendia, Makati, 1226 Metro Manila
Information Technology Support Engineer Intern   *March – April 2025*
- Installed and reimaged over 200+ PCs across various floors and departments, including Training Rooms, BMC, and Legacy Room. Aided in organizing and deploying 60+ new PCs in Training Rooms and VYSTAR rooms, replacing outdated systems.
- Configured Windows and macOS systems, including Avaya and OpenText Qfiniti installations, domain joining, and hostname setup.
- Troubleshot and resolved connectivity issues by identifying dead network ports, reassigning LAN cables, and repairing IDF room links
- Conducted IT inventory audits by collecting MAC addresses and hostnames, and verifying deployed units per floor. Provided on-site helpdesk support for software configuration, printing issues, and related technical concerns

Leadership & Activities

Institute of Computer Engineers of the Philippines Student Edition – EAC-M Chapter (ICpEP.se – EAC-M Chapter)
1113 San Marcelino St, Paco, Manila, Metro Manila
Executive Secretary   August 2023 – June 2025
- Provide secretarial support to the team, ensuring efficient communication and coordination within the organization.
- Assist in the planning and execution of chapter events and activities.
- Maintain accurate records, including meeting minutes, schedules, and member communications.
- Support chapter leadership in administrative tasks to ensure smooth operations and effective management.

Institute of Computer Engineers of the Philippines Student Edition – NCR Chapter (ICpEP.se – NCR Chapter)
Metro Manila, Philippines
Member   August 2023 – June 2025
- Actively participate in chapter meetings, seminars, and technical events to support professional growth and collaboration among computer engineering students.

School of Engineering and Technology Student Council (SET-C)
1113 San Marcelino St, Paco, Manila, Metro Manila
Third Year Representative   August 2023 – May 2024
- Actively Represented the third-year student body by voicing concerns, contributing to policy discussions, and assisting in organizing academic and extracurricular initiatives.

Relevant Activities:
- Cyber Defense Exercise TRON 2025 (Philippine Army Headquarters)
- SMEC Research Congress 2025
- Quiz bowl Competition (CPE Challenge, PCU) 2024, Quiz bee Competition (EAC-M) 2024

Skills & Interests

Technical:
- Proficient in Java, C++, and Python
- Familiarity in HTML, CSS, Javascript, and SQL
- Microcontroller Programming: Proficient in Arduino and ESP32
- Basic knowledge in Cybersecurity with hands-on experience from Cyber Defense Exercise TRON 2025
- Database Management: Experienced with Microsoft Access
- Tools & Platforms: Eagle CAD (PCB Design), Cisco Packet Tracer
- Other Software: Microsoft Word, Excel, PowerPoint
- Networking, operating systems, software design knowledge
- Foundation in mathematical principles for machine learning models
- Knowledge of cryptographic computations and encryption algorithms

Language: English (fluent), Filipino (native)

Laboratory:
- Schematic Design using Tinkercad, Multisim, and Proteus
- PCB design using Eagle CAD
- Circuit layout and logic design
- Microcontroller interfacing and hardware troubleshooting
- Database Creation and Design
- Computation of different machine learning models
- Computation of different cryptographic algorithms

Interests: Swimming, Basketball, Reading, Gunpla Kit Building, Watching