Bryan Dominick A. Tiamzon

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Education

TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES   938 Aurora Blvd, Cubao, Quezon

Bachelor of Science in Computer Science   August 2021 – August 2025 (Expected)

- GWA: 1.42
- Latin Honors: Cum Laude
- Relevant Coursework: Data Science in Python, Software Engineering, Data Structures and Algorithms Analysis, Information Management

Experience

Ateneo Innovation Center   PLDT CTC, Quezon City, 1108 Metro Manila

Software Engineer Intern   Feb 2025 – May 2025

- Developed face detection and recognition system using InsightFace in Python, optimized for deployment on Raspberry Pi 5.
- Engineered solution intended for use in evacuation centers to identify and track family members' safety status during disasters.
- Designed system adaptation for drone integration to detect individuals from aerial views during emergencies.
- Gained hands-on experience in embedded systems programming using both Arduino and Raspberry Pi platforms.

Design Projects Completed/Researches Undertaken

HIREFLOW: RESUME SCREENING IN APPLICANT TRACKING SYSTEM USING JOBBERT AND XGBOOST

Developed an AI-powered resume evaluation system using React.js and Python; integrated Gen AI APIs (JobBERT, DeepSeek R1) for semantic matching, generating compatibility scores and actionable insights

UNLOCKX: A LIGHTWEIGHT FACIAL RECOGNITION SYSTEM FOR FAMILY REUNIFICATION AND DISASTER RESPONSE

Created a privacy-focused facial recognition application using Python optimized for low-resource environments like Raspberry Pi. The system enables disaster response teams to register family members, track reunifications, and maintain status reports with minimal hardware requirements.

POINT OF SALES WITH INVENTORY SYSTEM FOR MOON HEY HOTPOT AND GRILL

Developed a LAN-based POS with inventory system using Python (PyQt) and MySQL, automating order processing, inventory management, and reporting to improve efficiency in restaurant operations.

Affiliation

JUNIOR PHILIPPINE COMPUTER SCIENCE   938 Aurora Blvd, Cubao, Quezon

Member   October 2023 – April 2024

Designed a museum app prototype during a UI/UX competition. Attended 'Cybersecurity Buff,' gaining skills in identifying vulnerabilities and securing systems against SQL injection and brute force attacks.

Skills

Soft: Adaptability, Attention to Detail, Problem-solving, Team Collaboration, Time Management

Technical Skills

- **Programming:** Python (Flask, PyQt), SQL, NoSQL, React, Java, JavaScript, Flutter, Tailwind CSS, RESTful APIs
- **AI/ML Tools:** DeepSeek R1, Gemini, JobBERT, XGBoost, InsightFace, OpenAI APIs (familiarity)
- **Tools:** Visual Studio Code, Figma, Tableau (basic), Git, GitHub, Docker (basic)
- **Other Skills:** Microsoft Office (PowerPoint, Word, Excel), Data Analysis, Debian Linux
- **Practices**: Familiarity with Agile / Scrum