

IAN ANGELO M. SIMBULAN

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PROFILE SUMMARY

Enthusiastic software development student with a Bachelor's degree in Computer Science, specializing in Software Engineering. Proficient in full-stack web development, with skills in HTML, CSS, JavaScript, Java, Python, and C++. Experienced in developing dynamic applications using frameworks like ReactJS and implementing robust back-end solutions. Passionate about leveraging modern technologies such as APIs and machine learning to contribute to innovative projects. A collaborative team player eager to gain hands-on experience and further develop technical skills in a challenging internship environment.

EDUCATION

FEU Institute of Technology

2021-2025

Manila, PH

BS Computer Science with Specialization in Software Engineering

- Project manager and backend developer of IntelliWatch a Fall Detection System Using Computer Vision - [2023-2024]
- FEU Tech Association for Computing Machinery (ACM) Marketing Junior Officer - [2023-2024]
- FEU Tech Association for Computing Machinery (ACM) Member - [2022-2024]
- FEU Tech Junior Philippine Computer Society (JPCS) Member - [2021-2022]
- Dean's Lister - [2021-2022]

Assumpta Technical High School

2019-2021

Pampanga, PH

Science, Technology, Engineering, and Mathematics

- With High Honors Awardee

TECHNICAL SKILLS

- Programming Languages: C++, Java, Python, JavaScript
- Web Development: HTML, CSS, PHP, ReactJS
- Database Management: SQL, MySQL, phpMyAdmin
- Mobile Programming: Android Studio (Java)
- Networking and Communication: Cisco

CERTIFICATIONS

- Civil Service Eligibility - Professional 2024
- Devnet Associate 2023
- CCNA: Introduction to Networks 2023
- IT Specialist – Python 2023
- IT Specialist – Java 2022

PROJECT WORK

QR-Enabled Tool Management System (In Progress)

2024

- Developed a Java-based tool management system using QR code scanning for real-time tracking and inventory management.
- Integrated MySQL for secure database management and utilized threading for efficient multi-tasking, ensuring seamless performance during QR code scans and database updates.
- Implemented a user-friendly interface with Java Swing, incorporating custom table actions for easy tool monitoring and status updates.

ATHS Inventory Management System (In Progress)

2024

- Developed a web-based inventory management system for ATHS using PHP, JavaScript, HTML, CSS, and phpMyAdmin to automate item tracking and requests.
- Implemented a multi-level user access system with paperless approval workflows and email notifications, streamlining the item request and approval process.
- Designed an intuitive, responsive interface to ensure seamless user experience and efficient management of school inventory.

Personal Portfolio / Website

2024

- Developed a dynamic personal portfolio website using React to effectively showcase projects and skills in web development and software engineering.
- Implemented responsive design principles to ensure an optimal user experience across devices, utilizing CSS and JavaScript for engaging interactivity.
- Features sections for project highlights, technical skills, and contact information, allowing visitors to easily navigate and learn about my work and expertise.

IntelliWatch

2024

- Developed a real-time fall detection system using Python, leveraging YOLOv8 for keypoints detection and a custom CNN to analyze human actions.
- Integrated Twilio API to send automated alerts via SMS and email, including images and injury analysis, for immediate response.
- Utilized video devices like CCTV and webcams to monitor elderly individuals, ensuring proactive safety measures and timely interventions.

ATHS Human Resource Management System

2023

- Developed a web-based HR management system for ATHS using PHP, JavaScript, HTML, CSS, and phpMyAdmin to enhance employee management, including attendance tracking and leave management.
- Automated the update of employee information and streamlined the calculation of leave balances, ensuring accurate records and efficient HR operations.
- Implemented a multi-level user access system to facilitate secure and organized access to employee data and HR functionalities.