

James Matthew F. Tan

Software Engineer

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EDUCATION

University of the East

Bachelor's of Science in Computer Engineering

Manila, Philippines

June 2019 - Present

Expected Graduation: July 2024

- **Concentrations:** Software and Hardware Design, Development, and Management
- **Related Coursework:** Data Structures and Algorithms, Discrete Mathematics, Mobile Development, Object-Oriented Programming, Software Design, Website Development

PROJECTS

IoT-Based Smart Garden (Design Project)

Project Leader

Angono, Philippines

January 2023 - May 2023

- Managed the design project and delegated tasks to team members.
- Designed and developed the IoT architecture for the design project.
- Designed and developed a user-friendly and responsive UI/UX of the IoT website application using mainly Bootstrap and other website frameworks.
- Developed the back end of the IoT website application.
- Designed the hardware and PCB layouts for the microcontrollers, sensors, and actuators.

IoT-Based Indoor Disaster Monitoring System

Manila, Philippines

November 2022 - December 2022

- Designed and developed a user-friendly and responsive UI/UX of the IoT website application using Bootstrap and Canvas - Gauges.
- Developed the back end of the IoT website application.
- Designed the hardware and the PCB layout for the microcontroller and sensors.

LTO License Pre-Test Assessment Application

Manila, Philippines

April 2021 - May 2021

- Designed and developed the front end of the android mobile application.
- Developed the back end of the android mobile application.

ACHIEVEMENT

Best Project Presentation in Research Methods

Project Leader

Manila, Philippines

May 2022

CERTIFICATE

Huawei Internet of Things Certification

Manila, Philippines

December 2022

EXTRACULLICULAR ACTIVITY

Automation, Robotics, and Mechatronics Society

Vice President

Manila, Philippines

November 2023 - Present

SKILLS

Programming: C++, Python, Java, Kotlin, HTML, CSS, JavaScript, and PHP

Technical/Programmatic: Website Development, IoT Development, Android Mobile Development, Agile Methodology, Database Management, API Implementation, and Git

Platforms: Windows, Linux