Christian Edison M. Ocon

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https://itsjustxtiandev.netlify.app/

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, HTML, CSS, C++, C#
- **Frameworks/Libraries:** React, Flutter, Node.js, Astro.js, Next.js, Shadcn.ui
- **Tools:** Git, Figma, Cisco Packet Tracer
- **Databases:** Microsoft Access, Google Firebase, MongoDB

INTERNSHIPS/EXPERIENCE

Yoshii Software Solutions Philippines, Inc., *IT Intern*

- Developed a new product page for the company's IT products using Astro.js and React framework.
- Developed a functional map component that shows the company's product outlets and presents each outlet's contact information and pins their location onto the map.

Gym Training Application, *Freelance Work*

- Developed the UI/UX of a Gym Training Application using Flutter for clients to connect with gym trainers for a training session
- Developed the backend to connect with Google Firebase for database management

RELEVANT PROJECTS/COURSEWORK

Video Game Inventory/Ascension Planner

- Developed an Ascension Planner System which allows users to create tasks which calculates the amount of items required to ascend a character to the target level.
- Designed a priority-based material queue that ensures newer tasks reflect accurate availability after older ones are fulfilled.
- **Technologies Used:** Astro.js, React, Tailwind CSS, Shadcn, Supabase
- **Repository Link:** https://github.com/itsjustxtian/community-system

DefectVision: A Computer Vision-Assisted Defect Detection System for PC Motherboards, *Thesis Capstone Project*

- Established secure communication between the web app and Raspberry Pi using Ngrok tunnels and REST APIs to trigger device-side scanning commands.
- Integrated Roboflow's computer vision API to analyze images and detect defects with high accuracy.
- Designed a responsive UI using Shadcn.ui to display scan results and defect classifications in a user-friendly dashboard.
- Implemented backend logic with Node.js and MongoDB to store, retrieve, and manage scan data efficiently.
- **Technologies Used:** Next.js, Tailwind CSS, Shadcn, MongoDB, Raspberry Pi OS, Python
- **Repository Link:** https://github.com/itsjustxtian/defect-vision

EDUCATION

Cebu Institute of Technology – University   *2021 – present*

Bachelor of Science in Computer Engineering

Expected Graduation: December 2025

Relevant coursework: Data Structures and Algorithms, Software Development, Cisco Network Configuration, Microprocessors (Arduino, ESP32, Raspberry Pi)