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EDUCATION

Cebu Institute of Technology - University

B.S. in Computer Science

2022 – 2026

Cebu City, Philippines

- **Relevant Coursework:** Information and Database Management, Data Structures and Algorithms, Discrete Structures, Applications Development, Mobile Development, Automata Theory, Software Engineering
- DOST-SEI Scholarship Merit Recipient (**Received 2022**)
- Top 10 DOST-PCAARRD Agri-Aqua Innovation Challenge (**2024**)
- Third Prize Finalist for Southeast Asia Division Contest of China International College Students Innovation Competition (**2025**)
- STEP UP Madasigon Start Up Challenge Finisher (**2025**)
- Contestant in the Komsai Week Hackathon held at the University of the Philippines Cebu (**2025**)
- PhilNITS Certified Level 2 FE Engineer (**2025**) and Level 3 TOPCIT Competency (**2026**)

Philippine Science High School - Zamboanga Peninsula Region Campus

STEM

2016 – 2022

Dipolog City, Philippines

- **GWA: 1.20** (Director's List Scholar)
- Represented Kenya for the Model United Nations (**MUN**) Assembly in 2020

Student Organizations

- Philippine Science High School - Zamboanga Peninsula Region Campus
 - ClimaX, Writer (Research Department) from **2021 – 2022**
- Cebu Institute of Technology
 - Notion CIT-U, User Support and Operations Volunteer from **2024 – Present**
 - Google Developers Group on Campus, Engagement Officer from **2024 – Present**

WORK EXPERIENCE

Mobile Applications Developer at Hayahai (May 2025 - November 2025)

- Developed the mobile application for Hayahai, a system that provides an interface for logistics and management of partner seaborne travel companies.
- Worked closely with maintaining the initial admin portal for managing client shipping lines with NestJS for the backend API, Next.js for the frontend pages, and middleware, a PostgreSQL database with Prisma for Object-Relational Mapping.
- Helped in the development of the updated systems for the client-side management, admin, and booking technologies using NestJS for API development, Next.js for the frontend pages, and a PostgreSQL database with Kysely for Object-Relational Mapping.
- Lessened merge and migration conflicts by writing documentation for proper git branching strategies, pull request descriptions, Kysely migration workflows, and other related version control management strategies for less convoluted git histories per Azure DevOps repository, and to avoid migration conflicts during development.

Software Developer Intern at Fullscale (September 2025 - January 2026)

- Maintained the backend API and frontend pages for the internal systems used by the sales team and management, using .NET (ASP.NET) for the backend API systems, Blazor Pages and Next.js for the frontend, and a MySQL database.
- Gained experience in working with developer teams through Jira, following Scrum methodology.
- Studied and experienced industry development strategies relating to CI/CD pipelines, Git branching strategies, production deployment strategies, SSH, developer pull request and commit conventions.

PROJECTS

Litterbox

- Developed a web-based student hub application tailored for Cebu Institute of Technology - University students with features such as forum posts, school event tracking, and organization updates using **HTML**, **CSS**, **JavaScript**, **TailwindCSS**, **Django**, and **SQLite**.

Earthquake Data Analysis

- Used **Python** (**Pandas**, **Numpy**, **Matplotlib**, **SciPy**, **Seaborn**, and **Folium**) to analyze Philippine earthquakes as recorded by PHIVOLCS to get insights through data exploration (scatterplots, hexbin plots, time series tables, and heatmaps).

Huggle

- Developed an e-commerce application (Buyer and Seller mobile applications, web-based admin client, REST API) with **React Native**, **ReactJS**, **Firebase**, and **ASP.NET (C#)** that focuses on improving the product discovery of discounted locally sourced items.

CnPI

- Developed a URL shortener application that allows for QR Code generation, custom links, URL collections, and basic analytics using **ReactJS**, **TailwindCSS**, and **Supabase**.

CookFlow

- Developed an application using **Next.js**, **Supabase**, and **TailwindCSS** that allows users to follow recipes more easily with step-by-step instructions, ingredient lists, and built-in timers.

PillPal

- Developed an application using **Next.js**, **TailwindCSS**, and **Huggingface** that uses API calls to generate possible illnesses and recommended OTC medications, prescription medications, and home treatments.

RESEARCH EXPERIENCE

Philippine Science High School - Zamboanga Peninsula Region Campus

2020 – 2022

Dipolog City, Philippines

- Studied simulations of the collision rates in planetary accretion, modelling particles, and making observations regarding the early stages of formation in heavenly bodies.
- Studied the detection of algal blooms using deep learning algorithms and computer vision, finding that systems could be utilized for the accurate prediction of algal blooms through the training of computer vision models given large image datasets.

Cebu Institute of Technology – University

2025-2026

Cebu City, Philippines

- Conducted a study on the capacity of different Large Language Models (LLMs) for In-Context Learning (ICL) of Dasopya, an a priori constructed language, to prove that the apparent success of model learning is more related to pattern memorization as opposed to genuine rule induction measured through different scoring systems.

VOLUNTEERING

Notion CIT-U

2024 – Present

- Volunteered with a focus on user support and operations, helping facilitate and support events, providing assistance when required, and ensuring proper event operations and flow.

Google Developer Group on Campus (CIT-U)

2024 – 2025

- Created and facilitated interactive icebreakers for events while also providing essential logistical support to ensure smooth and engaging experiences for participants as an Engagement Officer.

CERTIFICATIONS, SKILLS & INTERESTS

- Certifications:** Codechum C Certification Exam, Codechum Java Certification Exam, TOPCIT Competency Level 3, PhilNITS FE Level 2, AWS Cloud Foundations, AWS Cloud Architecting
- Technologies:** Git, GitHub, Azure DevOps | Figma | C, C++, C#, .NET, ASP.NET, Python, Java, PHP, HTML, CSS, JavaScript, TypeScript, Firebase, MongoDB, Django, React, NestJS, Next.js, Bootstrap, TailwindCSS, Express.js, Node.js | Ubuntu, Linux, Windows
- Skills:** Public Speaking, Leadership, Collaboration, Fast Learner, Academic Writing
- Interests:** Poetry, Calisthenics, Music, Reading, Running