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Summary

Eager Computer Science Student with intended specialization in fields of Artificial Intelligence, Fintech, Web3, and Machine Learning. Experienced in optimizing AI models through detailed fact-checking processes and developing full-stack applications. Adept with technical skills and learning from senior developers to an international standard with experience abroad. Proven track record in project management, software development, and community engagement with international exposure.

Education

University of the Philippines Manila, BS in Computer Science - Manila, NCR Expected 2026

- **Relevant Coursework:** Software Engineering, Web Programming, Database Systems, Computer Architecture
- **Activities/Achievements:** UP Society of Computer Scientists & Google Developer Groups on Campus UP Manila

Chonnam National University, MOVE-UP Student Exchange - South Korea June 2024

- **Relevant Coursework:** Principles of Programming Languages, Design Engineering, Human-Computer Interaction
- **Activities/Achievements:** Engaged in extra-curricular international-related events, participated in team-building events held by the local government, and contributed to various initiatives organized by the university's Office of International Affairs

New Era University, STEM Strand - Quezon City, NCR Aug 2021

- Graduated with honors

Experience

IT Service Management Intern

DFI Retail Groups

June 2025 – Dec 2025

- Developed and maintained software applications with the organization's Software Development Life Cycle (SDLC) standards
- Ensured all delivered solutions met all functional requirements, such as performance and security
- Planned, managed, and executed software deployments across development and production environments
- Communicated and provided user solutions to daily business functions, such as permissions access and catalogue maintenance

Contributor - Generalist (Tier 1)

Outlier

Aug 2024 – Dec 2025

- Ranked and evaluated **100+** AI-generated responses to a diverse range of user prompts, ensuring high-quality outputs
- Conducted fact-checking verification of AI responses, contributing to the improvement of system reliability
- Optimization of AI-to-user interaction by providing feedback that enhances the AI's alignment with user expectations

Academic Collaborations Officer

Google Developer Groups on Campus UP Manila

Sept 2024 - Sept 2025

- Facilitated partnership initiatives with campus organizations, building strong inter-club relationships
- Coordinated collaborative projects with university departments, enhancing student-developer outreach
- Designed and managed student/developer programs, workshops, hackathons, and speaker series

General Manager

Project Axiom

Mar 2022 – Jul 2022

- Chaired and co-managed a Web3 DAO with **6,000+** members, facilitating decentralized governance and community engagement
- Developed financial opportunities and technological awareness initiatives to grow blockchain interest in the community
- Collaborated with other DAOs to foster Web3 engagement and education in the Filipino community
- Oversaw community events and initiatives to boost active participation and member collaboration
- Practiced productive communication and creative problem-solving in decentralized governance structures

Project Manager

Kalinga

Sep 2020 – Dec 2021

- Grew the organization's following to **2,000+** members through strategic content creation and community engagement
- Held project management seminar to train and equip members with essential skills for organizing and managing humanitarian projects effectively
- Developed engaging online webinar content that resonated with a diverse audience
- Collaborated with cross-functional teams to ensure effective delivery of outreach initiatives
- Demonstrated initiative by overcoming logistical challenges in remote project coordination

Projects

GCash's ImaGnation Innovation Challenge 2025 2025

- Secured placement of **Top 5** out of 196 teams in a nationwide 3-day hackathon by developing **GJeep**, a transport-targeted initiative to modernize the commute system in the Philippines using LTE and BLE for fare transaction
- Technologies Used: Agentic AI, GCash's InnovLabs Sandbox, React, Firebase, TypeScript

Jot-it: AI-Powered Task Management

2025

- Full-stack AI-powered task management application leveraging natural language processing for task creation and intelligent scheduling with secure backend API key management, contextual assistance, and direct database operations
- Features JWT authentication, responsive design, task analytics, smart notifications, social collaboration, conversation persistence, and user context integration
- Technologies Used: React, TypeScript, Node.js, Express.js, PostgreSQL, Supabase, OpenRouter API, Cloudflare Workers, Tailwind CSS

Project: Tanda - AI-Powered Flashcard Generator

2025

- Developed a multimodal AI system for automated flashcard generation from PDF documents, integrating text processing, visual content analysis, and semantic retrieval
- Streamlined PDF to Anki AI/Transformer pipeline using FastAPI for reusability and ease-of-use
- Technologies Used: Python, FastAPI, PyMuPDF, PaddleOCR, ChromaDB, Ollama, OpenRouter, CLIP

UP Manila Building Information Management System

2025

- Developed as major Software Engineering course requirement; served as full-stack developer implementing real-time dashboard for request monitoring, report generation system, and university-wide inventory tracking
- Implemented real-time dashboard for request monitoring, report generation system, and university-wide inventory tracking in terms of building storage, inventory upkeep, staff management, and event scheduling
- Technologies Used: PHP, Laravel, Vue.js, Tailwind CSS, MySQL, JavaScript

OpenNutriTracker (Fork)

2025

- Enhanced fork of open-source mobile nutrition tracking app with AI-powered chat functionality for nutrition assistance; built following Clean Architecture principles with BLoC pattern for state management
- Key enhancements include dynamic calorie calculation, smart calendar visualization, JSON-based function calling for AI integration, debug mode, and robust error handling with local data encryption
- Technologies Used: Flutter, Dart, Supabase, OpenRouter API, Food Data Central API, BLoC pattern, Sentry

Technical Skills

Programming Languages: TypeScript, JavaScript, Python, Dart, C, C++, Java, Haskell, PHP, HTML, CSS, SQL, Bash, Shell, LaTeX

Frontend Frameworks & Libraries: React, Next.js, Vue.js, Vite, Tailwind CSS

Backend Frameworks: Node.js, Express.js, Laravel, PHP

Mobile Development: Flutter, Dart, Android Studio

Database Systems: PostgreSQL, MySQL, Supabase, Prisma

AI/ML Tools: TensorFlow, PyTorch, Huggingface, Ollama, OpenRouter API, Streamlit

DevOps & Cloud: Docker, Kubernetes, Git, GitHub, Netlify, Vercel, Cloudflare Workers

Development Tools: VS Code, Postman, npm, ESLint, Prettier, Sentry, Selenium, BeautifulSoup, n8n

Blockchain & Web3: Internet Computer Protocol

SeekUp: ARAL (Accessible Routes to Achieve Learning)

2024

- Developed pitch of end-to-end platform that seamlessly connects learners with curated educational resources, personalized mentorship, and hands-on real-world application opportunities; engineered and launched as part of a collaborative 3-day Hooked Unitour Hackathon to promote accessible, impactful learning experiences.
- Served as backend developer and co-presented project in final hackathon presentation
- Technologies Used: React, HTML, CSS, Internet Computer Protocol

RAG-Enhanced Cold Email Generator

2024

- Personal side-project exploring local LLM capabilities through Retrieval Augmented Generation (RAG) system that generates personalized cold emails by retrieving information from user resume and company data
- Handled all development aspects from web scraping with BeautifulSoup to browser automation with Selenium and integrating Ollama model for email generation with native Gmail integration
- Technologies Used: Python, Ollama, Selenium, BeautifulSoup

Machine Learning Analysis of Global Student Mobility

2024

- Personal side-project combining interest in international education trends with data science; includes full data science workflow from data cleaning and exploratory data analysis (EDA) to machine learning
- Implemented unsupervised learning (clustering) to identify country profiles and supervised learning (classification) to predict mobility rates based on economic indicators
- Interactive web app deployed with Streamlit allowing user exploration of data and model results
- Technologies Used: Python, Streamlit, Kaggle Datasets

Marc's Online Store

2024

- Full-stack e-commerce application built as university machine problem demonstrating modern web application architecture with user authentication, product management, shopping cart functionality, and order processing
- Responsible for building entire application including RESTful API with Express.js, database schema with PostgreSQL, and front-end with Next.js
- Technologies Used: Next.js, Node.js, Express.js, PostgreSQL