HOMER ADRIEL DORIN

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EDUCATION

University of San Carlos – Cebu City, Philippines **2025 — Present**

- Bachelor of Science in Computer Science

University of St. La Salle – Bacolod City, Philippines **2022 — 2024**

- Senior High School Diploma

Don Bosco Technical Institute of Makati – Makati City, Philippines **2018 — 2022**

- Junior High School Diploma

EXPERIENCE

- **Consultant (Former Lead, 2025–2026)** | Google Developer Groups on Campus USC | 2026–2027 | Supporting leadership continuity, community development, and student-led technology initiatives, events, and partnerships.
- **AI Advocate** | DEVCON Cebu | 2026–2027 | Facilitating accessible AI workshops covering prompt engineering, AI-assisted web development, and practical AI literacy for younger audiences.
- **VP for Externals** | Computer and Information Sciences Council, USC | 2026–2027 | Coordinates external relations, organizational partnerships, departmental initiatives, and event logistics while contributing to council-wide leadership and operations.
- **Cebu Community Lead** | WikaPH Cebu | 2026–Present | Building relationships with schools, universities, LGUs, and DepEd division offices while connecting native Cebuano speakers with language validation and corpus development initiatives.
- **Core Team Officer** | AI Pilipinas Cebu | 2026–Present | Supporting industry-facing AI initiatives through event logistics, speaker coordination, external relations, and community operations.
- **Founder & Content Creator** | BALAI | 2025–Present | Building a Filipino youth-oriented self-development and intellectual movement focused on philosophy, critical thinking, and personal growth.

CERTIFICATIONS

- **Generative AI Leader Certification** | Google | Aug 2026–Aug 2029
- **Google Developer Groups on Campus Lead Certificate** | Oct 2026

PROJECTS

Alexandria | Academic Repository Platform

- Developing a digital repository for discovering, indexing, and exploring academic theses and capstone projects, with access-controlled PDF viewing.

MiKyoku | Multimodal AI & Information Retrieval

- Built a computer vision tool using CLIP and FAISS to identify anime titles from poster images and retrieve soundtracks through the AniList API.

Atomic Notes Knowledge Graph | Personal Knowledge Systems

- Building a semantic knowledge graph from personal reflection notes using sentence embeddings and NetworkX to connect related ideas.

In Sight | AI-Powered Analytics

- Developed a full-stack application and survey pipeline that transforms event feedback into visualizations and Gemini-powered summary insights.

Zenith | Visual Planning & Knowledge Management

- Building a local-first visual planner for connecting concepts and tasks on an infinite canvas through a space-and-constellation metaphor.

SKILLS

Languages: Python, TypeScript, JavaScript, SQL, HTML, CSS

Frontend: React, Next.js, React Native, Angular, Tailwind CSS, Vite, D3.js

Backend & APIs: FastAPI, Flask, Node.js, Express.js, Supabase, REST, GraphQL

AI Engineering & Data Science: LLM APIs & Integration, Local LLM Inference (Ollama, LM Studio), NLP, RAG & Vector Search (FAISS), CLIP, Sentence Transformers, scikit-learn, PyTorch, NumPy, pandas, Matplotlib

Tools & Practices: Git, GitHub, Bun, Expo, Agentic AI Workflows

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