Philippe Andrei S. Dael

philippeandreid@gmail.com | 0994 8942 580 | Dipolog City, Philippines | github.com/rei-naissance

EDUCATION

Cebu Institute of Technology - University   **2022 – Present**

B.S. in Computer Science   *Cebu City, Philippines*

- Currently completing coursework in the program (Junior Year)
- DOST-SEI Scholarship Recipient (Merit)
- 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**)
- Level 3 TOPCIT Competency (**2025**)
- Contestant in Komsai Week Hackathon held in the University of the Philippines Cebu (**2025**)

Philippine Science High School - Zamboanga Peninsula Region Campus   **2016 – 2022**

STEM   *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**

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**.

Academate

- Developed a mobile application in Android Studio (**Java**, **XML**) to facilitate borrowing of common university items (e.g., textbooks, spare uniforms, etc.) stored in **Firebase** for item tracking and user authentication.

NoteNest

- Developed a web-based note-taking application using **PHP**, **Bootstrap**, and **MariaDB (XAMPP)**.

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 prior as an antecedent to professional care.

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.

WORK EXPERIENCE

Mobile Applications Developer at Ayahay

- Developed the mobile application for Ayahay, a system that provides an interface for logistics and management of partner seaborne travel companies (**2025 - Present**).

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.

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** Codechum C Certification Exam, Codechum Java Certification Exam, TOPCIT Competency Level 3
- **Technologies:** Git, C, C++, Python, Java, PHP, HTML, CSS, JavaScript, TypeScript, Firebase, MongoDB, Django, React, Bootstrap, TailwindCSS, Express.js, Node.js, Linux, ASP.NET
- **Skills:** Public Speaking, Leadership, Collaboration, Fast Learner, Academic Writing
- **Interests:** Poetry, Calisthenics, Music, Reading, Running