

ADRIEL M. MAGALONA

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EDUCATION

Polytechnic University of the Philippines

Bachelor of Science in Computer Science

Manila, Philippines

September 2024 – Present (Expected 2028)

- Department of Science and Technology (DOST) Undergraduate Scholar
- Makati City Employees Multipurpose Cooperative Scholar (MACEMCO)
- Gawad Pagkilala 2024 Awardee

TECHNICAL SKILLS

Languages: C, C++, Rust, PHP, R, Python, HTML, CSS, Java, JavaScript, Swift, TypeScript
Frontend: React, Next.js, Vite, Tailwind CSS, Bootstrap, Axios
Backend: Node.js, Express, Nginx
Databases: MySQL, PostgreSQL, Firebase (Firestore & Storage)
AI/ML: Gemini, Groq, Ollama
DevOps & Tools: Git, GitHub, VS Code, Vercel, NPM, XAMPP, ESLint, Agora

WORK EXPERIENCE

Workflow Architect Intern

October 2025 – December 2025

Eskwelabs / Tools: Google Apps Script, Sheets, Slides, n8n, Gemini

- Automated pitch deck creation workflows, reducing turnaround time and streamlining production of investor-ready presentations (fully remote).
- Collaborated with stakeholders to optimize processes, document workflow standards, and improve operational efficiency.

PROJECTS

LingapLink | GitHub

React, TypeScript, Vite, Node.js, Express, Firebase, Gemini

- Built a 14-route React/TypeScript healthcare platform with secure patient/provider portals and dashboard workflows.
- Implemented Firebase services with Gemini AI triage, AES-256 field encryption, rate limiting, and caching.

WorkSight | GitHub

TypeScript, JavaScript, Node.js, Next.js, Nginx, Vercel

- Unified task operations and burnout-risk analytics across employee, team, and org levels; supports ~5 core product areas.
- 4 OAuth login providers; observability (Web Vitals, health checks, uptime monitoring); automated test suite.

Four Fundamental Spaces Finder | GitHub

Next.js, React, TypeScript, Vercel, Swift

- Interactive linear algebra tool computing and visualizing all 4 fundamental subspaces with step-by-step RREF, $\text{\LaTeX}$ output, and 2D/3D geometric views.
- Delivered across web and native desktop with 29 core source files ensuring feature parity across 2 platforms.

COMPETITIONS & AWARDS

National Technovation Summit 2025 — Start-up Hackathon Champion

August 2025

START-DOST & DOST–Science Education Institute | Marco Polo Plaza Hotel, Cebu

- Developed LingapLink, an AI-powered healthcare platform. Competed against 12 regional teams nationwide, representing the NCR in a 3-month hackathon.

BPI DataWave 2025 — 3rd Placer, Workplace Productivity Track

October 2025

Bank of the Philippine Islands | AIM Conference Center, Manila

- Developed WorkSight, an AI-powered burnout-prediction platform. Competed against 750–900+ learners nationwide in a 4-month hackathon, advancing to the Top 3.

Data Structures and Algorithms Competition Quiz Bee — Knight Category Champion

September 2024

The Programmers' Guild | Polytechnic University of the Philippines, Claro Recto Hall

- Won the Knight Category in an in-person Data Structures and Algorithms competition against 30 participants from across Polytechnic University of the Philippine campuses.

TRAININGS & CERTIFICATIONS

BPI DATA Wave Learning Sprint

July 2025

Performance Evaluation, Solution Blueprint & AI Architecture, Human-Centered Research & Ideation

Quantum Computing and Blockchain Lecture Series 2025

May 2025

Quantum Computing Society of the Philippines