Elicia Klyde Martigne M. Apostol

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WORK EXPERIENCE

Gokards March 2026 – Present

Founder & Lead Developer (Independent Project) Philippines

- Launched a spaced-repetition study platform (Next.js, TypeScript, Supabase/PostgreSQL) that grew to 500+ users and 300+ monthly active users.
- Removed hours of manual card-making with an AI pipeline (OCR, then Google Gemini with multi-model fallback) converting PDF, DOCX, PPTX, and image uploads into ready-to-study decks.
- Onboarded 500+ users with no sign-up screen via anonymous accounts on Supabase Row Level Security, keeping 338 decks owner-scoped and 189 quizzes server-graded.
- Preserved progress across devices and offline sessions with an SM-2 spaced-repetition engine and localStorage-to-cloud sync over 24,800+ flashcards.

AutoTrace March 2026 – September 2026

Freelance Developer Philippines

- Cut license plate recognition from 15–20 seconds to roughly 1 second per image, a 15–20x speedup, by moving the Python inference pipeline onto the device GPU.
- Built the 2-stage vision flow: YOLOv8 localizes the plate in each vehicle image, then fast-plate-ocr transcribes the crop into a structured record in a relational database.

PROJECTS & HACKATHON AWARDS

Sakasama — 1st Place March 2026

Tech Lead Philippines

- Won 1st place as Tech Lead with an offline-first PhilGAP compliance app for Filipino smallholder farmers (Flutter, Drift/SQLite), architecting a local-first data layer that keeps 100% of functionality working with zero connectivity.
- Engineered “Saka,” a conversational assistant using RAG with Google Gemini to deliver localized PhilGAP regulatory guidance in-app.

Thynkspace — 1st Runner-Up March 2026

Tech Lead Philippines

- Won 1st Runner-Up as Tech Lead by architecting a 4-stage research pipeline (Next.js 16, React 19) that automates literature discovery via the Crossref and OpenAlex APIs.
- Built a GraphRAG knowledge index with Google Gemini and Hugging Face models for entity extraction and academic knowledge graph generation.
- Ran 3+ analyst agents in parallel in a multi-agent analysis matrix, cutting research synthesis time an estimated 70% versus manual review.

EDUCATION

Angeles University Foundation August 2024 – Expected May 2028

Bachelor of Science in Computer Science Angeles City, Pampanga
Consistent College Scholar (Dean’s Lister)
Project Manager, ACM Student Chapter

LANGUAGES & TECHNOLOGIES

- **Languages:** TypeScript, JavaScript, Python, Dart, Java, SQL
- **Frameworks:** Next.js, React, Flutter, Node.js, FastAPI, Flask, LangChain
- **AI & Machine Learning:** Gemini API, RAG and GraphRAG, TensorFlow, Hugging Face, YOLOv8
- **Data & Cloud:** PostgreSQL, Supabase, Firebase, SQLite, Prisma, Google Cloud, Vercel, Git