Ezekiel Galauran

CS Student & Software Developer

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I build full-stack web applications and the deployment infrastructure that keeps them running reliably in production.

EDUCATION

BS Computer Science, Software Systems

August 2023 – August 2027 (expected)

Asia Pacific College, Makati City

Honor's List — AY 2023–2024, 2024–2025

Relevant coursework: Cybersecurity, Database Management, Systems Analysis & Design, Threat Detection Analysis, Software/System Development

EXPERIENCE

Optum — Student Advocate Program

November 2026 – Present

Intern, Early Careers

Intern in the Optum Student Advocate Program under the Early Careers team, started November 5, 2026.

APC × NAMFREL — 2026 BARMM Parliamentary Elections

September 2026

DevOps & Infrastructure (Sub-Team 4) — Production Deployment

APC served as the NAMFREL Election Data Analytics Center. 46 students and 9 faculty across CS, IT, and CpE built and supported the election analytics system.

- Main handler of continuous deployment to Vercel on election day (Sept 14)
- Performed live production redeployments as teammates' changes were merged
- QA of production deployments during shift, before handoff to the next shift
- Shipped teammates' changes with "chore: trigger deployment" commits from my authorized account when their merged commits were "Blocked" on the team's Vercel plan — 13 production deployments on Sept 14

namfrel-barmm2026.apc.edu.ph

PROJECTS

Dorotheo Dental Clinic Management System

In development for deployment

Project Manager & Full-Stack Developer

A clinic management system for a dental practice, built by a team of 5 developers.

Scale: Team of 5 developers; 4 user roles; 17 core workflows; 20+ protected API surfaces

What I built: JWT authentication; Role-based access control; Audit logging; Prompt-security controls for the LLM assistant; Query and pagination optimization

The system also includes a RAG/LLM pipeline with intent classification and semantic caching, built by the team.

Django · Django REST Framework · Next.js · TypeScript · PostgreSQL

Motor Tool & Sub-Component Pumping Hour Tracking System

In production use

Sole developer

An asset-tracking application used by field technicians working in Abu Dhabi, with live company data.

Highlights: Pumping-hour cascade across motors and sub-components; Unified 11-state asset status model; Assembly/disassembly records; File attachments; Search-first UI; Requirements maintained through PRD versions up to v2.9

Next.js 15 · React 19 · TypeScript · Prisma · Neon Postgres · NextAuth · Vercel Blob · Tailwind CSS · Vitest

XLM-JUD: Dialect-Aware Smishing Detection

AY 2026–2027

Co-author — research and writing (with three teammates)

A study of whether NLLB-200 back-translation improves XLM-RoBERTa smishing detection for Tagalog, Cebuano, and Ilocano text.

Problem: Smishing detection in the Philippines is hampered by scarce, imbalanced datasets and Tagalog, Cebuano, and Ilocano text that English-trained filters misread.

Approach: Compared original XLM-RoBERTa, XLM-JUD (XLM-RoBERTa trained with NLLB-200 back-translation augmentation), and classical baselines, with and without SMOTE.

Results (hold-out test set of 11,603 messages)

- Original XLM-RoBERTa: accuracy 98.61%, Macro-F1 0.9849, MCC 0.9698
- XLM-JUD: accuracy 98.19%, Macro-F1 0.9802, MCC 0.9606
- Classical baselines: Macro-F1 0.9373–0.9561
- Back-translation did not improve classification (210 vs. 161 errors; McNemar's test $p < 0.001$). SMOTE also lowered classical-model performance.

Limitations: Cebuano and Ilocano test subsets contained only legitimate messages; Back-translated data not independently verified; Single training run

My contribution was research and writing; I did not write the model code.

`Python · XLM-RoBERTa · Meta NLLB-200 · FLORES-200 · SVM · Logistic Regression (TF-IDF) · SMOTE`

LEADERSHIP

Vice President, APC Band — Jul 2026 – Present

Internal Vice President, APC Microsoft Community (APC-MSC) — Nov 2025 – Jun 2026

Executive Director of Events and Programs, APC Microsoft Community (APC-MSC) — Nov 2024 – Jun 2025

Assistant Director of Operations, JPCS – APC — Nov 2024 – Jun 2025

Speaking & hosting

- Speaker, Microsoft Sandbox: Building Your Startup with Microsoft 365
- Speaker, SoCIT Officer Workshop 2025
- Host, Microsoft Learn Student Ambassador event

CERTIFICATION

OCI 2025 AI Foundations Associate — Oracle — November 2025

SKILLS

Strongest	CI/CD, production deployment (Vercel, Azure DevOps)
Languages	TypeScript, JavaScript, Python, SQL, C++
Web	Next.js, React, Django, Django REST Framework, Tailwind CSS
Data	PostgreSQL, Prisma, Supabase, Neon
DevOps & infra	Vercel, Azure DevOps, GitHub Actions, Docker, Linux, SSH, Proxmox, LXC, Railway
Security	JWT, RBAC, audit logging, VAPT (coursework)
ML	XLM-RoBERTa, NLP, TF-IDF classical baselines