KURT GEMOYA

BSIT Student | Data Science, Analytics, and AI

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SUMMARY

BSIT student and two-time hackathon champion who builds data pipelines, AI tools, and cloud-deployed models end to end. Seeking a data science and analytics internship building models and dashboards that drive business decisions.

EDUCATION

BS Information Technology, Polytechnic University of the Philippines | Expected June 2028 | GPA 1.42 (1.00 highest), President's Lister ×3

EXPERIENCE

Data Analytics Intern, Eskwelabs | Feb 2026 - May 2026

- Built an automated two-page Looker Studio dashboard over four years of event data (90+ programs, 19,000+ enrollees), tracking revenue, gross margin, and unit economics by product and client type to replace manual reporting.
- Analyzed masked data (event names anonymized) to build an action center that flags low-margin programs for review.

Lead, Data Science and Analytics Department, AWS Student Builder Group PUP Manila | Oct 2025 - Present

- Taught AWS (EC2, Lambda, Redshift, S3) and Looker Studio across 5+ workshops and mentoring sessions, bringing 300+ members into hands-on cloud and data projects.
- Wrote the department's technical curriculum, now used across the whole department.

PROJECTS

tawad - Palengke Price Tracker | Data Engineering | Oct 2026

- Built a daily pipeline that turns ~2,900 Department of Agriculture PDF reports (five changing layouts, 2018 to present) into ~890,000 clean prices across 55 Metro Manila markets, published as open data, a BigQuery dataset, and a Looker Studio dashboard.
- Designed a medallion architecture (Parquet, dbt + DuckDB star schema, BigQuery) run daily by GitHub Actions in Docker at zero cost, with dbt tests that fail if any of ~1,500 commodity spellings is left unmapped.

Uxie - AI Usability Preflight | OpenAI Codex x UI + AI Hackathon, Champion of 15 Teams | Oct 2026

- Won 1st of 15 teams and $1,000 in Codex credits at a hackathon held by OpenAI, building the product with a 4-person team in under 6 hours.
- Built the intelligence layer, using *Measuring the User Experience* (Tullis and Albert) as the benchmark that AI personas (older, mobile, and blind keyboard-only users) apply to test any site, flag where users get stuck, and generate fixes.

Stargaze - Robust Star, Galaxy, and Quasar Classifier | Machine Learning | Nov 2026

- Co-built a gradient boosting classifier on 283,108 SDSS objects that holds up on damaged data: macro F1 of 86 vs 35 for a standard model with 2 of 5 measurements missing, and 81 vs 58 at 8x noise.
- Added a trust layer (calibration with 0.006 ECE, Isolation Forest outlier detection, confidence thresholds) that answers "not sure" instead of guessing, served through a FastAPI API and a React web demo.

AeroC - Team Lead and Backend Engineer | Solar Power Hackathon, 1st of 25 Teams | Aug 2025

- Built the FastAPI backend on AWS (EC2, S3) that turns hourly PM2.5 readings into personalized exposure risk estimates for the Philippines and Indonesia.

CERTIFICATIONS

- Google Data Analytics and Google Advanced Data Analytics Professional Certificates

SKILLS

- Languages and Libraries: Python, SQL, pandas, scikit-learn, Matplotlib, FastAPI, Streamlit, React
- Data Engineering and BI: dbt, DuckDB, BigQuery, Parquet, SQLite, Looker Studio, Tableau, Google Sheets
- Machine Learning and AI: gradient boosting, model calibration, outlier detection, SHAP, regression analysis, prompt engineering
- Cloud and DevOps: AWS (EC2, Lambda, Redshift, S3), Docker, GitHub Actions, CI/CD