

Alpha Romer Coma *AI Engineer*




alpharomer.vercel.app | linkedin.com/in/alpharomercoma | github.com/alpharomercoma

AI Engineer specializing in deep learning & high-performance computing, with a \$376k compute grant by Google Cloud.


TECHNICAL SKILLS

- Machine Learning:** Python, PyTorch, Keras, Scikit-Learn, TPU
- Software Engineering:** React, TypeScript, NextJS, NodeJS, Express, Flask, PostgreSQL
- Cloud Engineering:** Google Cloud, AWS, Azure, Terraform, Docker, Kubernetes, Git, GitHub Actions


PROFESSIONAL EXPERIENCE

- Kollab, Associate Cloud Engineer**  Sep 2025 – Present
- Developed an Employee Management System (Krew) for People Operations to manage 100+ Kollab employees
 - Built a Tax Management System (KalTAX) for 3 stakeholders to compute and visualize employee taxes
- TESDA: Technical Education and Skills Development Authority, AI Competency Curriculum Validator (Contract)**  Aug 2025 – Aug 2025
- Contracted as an Academe Expert in the Competency-Based Curriculum in AI Competency Standards
 - Validated 2 AI and Data Qualifications, impacting the Philippines' technical-vocational education system
- AI First, AI Engineer Intern**  Dec 2024 – Aug 2025
- Built a Python scraper that extracted 200k+ enriched leads at zero hosting cost
 - Designed 2 production system architectures and APIs for an AI-powered app generator
 - Tested 2 production AI systems and documented over 50 bugs for a cross-platform application


PUBLICATIONS

- Visual-Qwen: Augmenting Multimodal Deep Learning with Attention Mechanisms to Recognize "Sludge Videos" from Short-Form Content**  Jul 2025
- Secured \$376,000 in compute grants from Google's TPU Research Cloud (TRC) & YouTube Research.
 - Architected a 92% accurate novel Vision-Language Model for cognitively-degrading video content
 - Validated by 10 machine learning experts, 20 content creators, 20 content moderators, & 3 data scientists in the Philippines
 - Curated a 6,000-row specialized multimodal dataset with 200+ monthly downloads on Kaggle



PROJECTS

- TS-JobSpy: Indeed & LinkedIn Job Scraper**  Aug 2025 – Sep 2025
- Open-source TypeScript package with peak 300+ downloads per week on npm
 - Scrapes ~7200 jobs per minute with 100% success rate across 60+ countries in any industry


CERTIFICATIONS

- Google: Professional Machine Learning Engineer 
- Google: Associate Cloud Engineer 
- AWS Certified Machine Learning Engineer – Associate 
- Microsoft Certified: Azure AI Engineer Associate 




LEADERSHIP & ACTIVITIES

- AWS re:Invent 2025 AI Builders Welcome Grantee, AWS**  Dec 2025 – Dec 2025
- Granted a fully-sponsored grant to attend the 5-day AWS re:Invent 2025 Conference in Las Vegas, Nevada
 - Sole Filipino Grant Recipient among the 340 international recipients
- GitHub Campus Expert, GitHub**  Dec 2024 – Present
- Taught 3000+ students & professionals from 10+ organizations, including Microsoft, about AI-driven software engineering
 - Secured \$30k and counting in sponsorships from GitHub, Tavily, and Vercel for educational empowerment in tech in Luzon

EDUCATION

- BS in Computer Science with specialization in Software Engineering, FEU Institute of Technology**  Aug 2022
- 4-Year President's Scholar with High Honors and CS Academic Varsity

AWARDS

- National AI Prompt Design Challenge Champion, Straits Interactive**  Jul 2025
- Philippine Junior Data Science Challenge Top 10 Finalist and GlobalCo Special Awards Winner, UP Data Science Society**  Nov 2024
- Space Apps 2023 Global Nominee and Galactic Problem Solver, National Aeronautics and Space Administration (NASA)**  Nov 2023