

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 <small>🔗</small>	Sep 2025 – Present
<ul style="list-style-type: none">Developed an Employee Management System (Krew) for People Operations to manage 100+ Kollab employeesBuilt a Tax Management System (KalTAX) for 3 stakeholders to compute and visualize employee taxes	
TESDA: Technical Education and Skills Development Authority,	Aug 2025 – Aug 2025
AI Competency Curriculum Validator (Contract) <small>🔗</small>	
<ul style="list-style-type: none">Contracted as an Academe Expert in the Competency-Based Curriculum in AI Competency StandardsValidated 2 AI and Data Qualifications, impacting the Philippines' technical-vocational education system	
AI First, AI Engineer Intern <small>🔗</small>	Dec 2024 – Aug 2025
<ul style="list-style-type: none">Built a Python scraper that extracted 200k+ enriched leads at zero hosting costDesigned 2 production system architectures and APIs for an AI-powered app generatorTested 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 <small>🔗</small>	Jul 2025
<ul style="list-style-type: none">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 contentValidated by 10 machine learning experts, 20 content creators, 20 content moderators, & 3 data scientists in the PhilippinesCurated a 6,000-row specialized multimodal dataset with 200+ monthly downloads on Kaggle	

PROJECTS

TS-JobSpy: Indeed & LinkedIn Job Scraper <small>🔗</small>	Aug 2025 – Sep 2025
<ul style="list-style-type: none">Open-source TypeScript package with peak 300+ downloads per week on npmScrapes ~7200 jobs per minute with 100% success rate across 60+ countries in any industry	

CERTIFICATIONS

<ul style="list-style-type: none">Google: Professional Machine Learning EngineerAWS Certified Machine Learning Engineer – Associate	<ul style="list-style-type: none">Google: Associate Cloud EngineerMicrosoft Certified: Azure AI Engineer Associate
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LEADERSHIP & ACTIVITIES

AWS re:Invent 2025 All Builders Welcome Grantee, AWS <small>🔗</small>	Dec 2025 – Dec 2025
<ul style="list-style-type: none">Granted a fully-sponsored grant to attend the 5-day AWS re:Invent 2025 Conference in Las Vegas, NevadaSole Filipino Grant Recipient among the 340 international recipients	

GitHub Campus Expert, GitHub <small>🔗</small>	Dec 2024 – Present
<ul style="list-style-type: none">Taught 3000+ students & professionals from 10+ organizations, including Microsoft, about AI-driven software engineeringSecured \$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 <small>🔗</small>	Aug 2022
4-Year President's Scholar with High Honors and CS Academic Varsity	

AWARDS

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