

Arron Kian Parejas



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Websites, Portfolios, Profiles

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- <https://github.com/darknecrocities>

Education

Expected in 2027-03 Bachelor of Science: Computer Science

Holy Angel University - Angeles City, Pampanga, Philippines

2023-01 Senior High School

Ama University - San Fernando, Pampanga

2021-01 High School

St. Anthony Malate - Manila, Manila

Dynamic, AI-focused Software Engineer with a proven track record in building scalable mobile and web applications using LLM, Flutter, Firebase, and advanced backend technologies. Delivered production-ready features that reduced bugs by 15% and played a key role in developing the Lakbay PH travel platform. As CEO/CTO of the Google Developer Group, led initiatives that resulted in a 30% increase in member engagement and organized a tech conference that attracted over 500 attendees. Recognized as a leading GitHub user in the Philippines, demonstrating exceptional skills through participation in 29 hackathons, achieving 15 wins and 7 championships.

Accomplishments

I am a Software Engineer, AI Developer, and technology community leader with experience in artificial intelligence, machine learning, software development, and research. I have earned multiple hackathon championships, including the **UP GenAI Hackathon 2025 (National Champion)**, **Caffeine AI Manila**, **SkyDev 2025**, **UNity 2025**, and **SparkHub Hackathons**, while also being recognized as an **AppCon 2024 Finalist**. I currently serve as the **Chapter Lead (CEO) of Google Developer Groups on Campus – Holy Angel University**, where I lead developer programs, technical initiatives, and community growth efforts. Additionally, I was recognized as the **Top 1 DataCamp Scholar** within GDG on Campus HAU and ranked among the **Top GitHub Developers in the Philippines (#11)**. My work spans AI-powered applications, reinforcement learning research,

computer vision systems, and full-stack software development, with a strong focus on creating innovative solutions that deliver real-world impact.

Skills

- AI Engineering
- Algorithms
- API Integration
- Backend Development
- Cloud Engineer
- Computer Vision
- Data Analysis
- Fine Tuning
- Firebase
- Flutter
- Git / GitHub
- LLM Orchestration
- Machine Learning
- Postman
- Python
- Software Development
- Agile methodologies
- Software development lifecycle
- Team collaboration
- SQL
- Javascript
- Object-oriented programming

WORK EXPERIENCE

2025-11 - Current

Software Engineer

Lakbay PH, Angeles City

- Directed development and optimization of key features for Lakbay PH travel platform utilizing Flutter and Firebase to enhance performance and scalability. Coordinated with product and design teams to produce intuitive UI components. Oversaw implementation of backend services, database enhancements, and integration of third-party APIs.

2024-11 - Current

Freelance Software Developer

Wiggies ice cream, Pampanga, Philippines

- Designed and delivered a custom management system for Wiggies Ice Cream Corporation and Mr. Yogurt, streamlining inventory, sales, and reporting processes. Created tailored user interfaces to improve usability, integrated analytics for real-time business insights, and worked closely with stakeholders to align features with operational needs and efficiency goals.
- An Local Ice Cream Company in the Philippines

2026-02 - 2026-05

Machine Learning - Computer Vision

Intuition Machine

- Implemented object detection and image classification workflows, performed data annotation, and supported machine learning pipelines. Assisted with model training, evaluation, and deployment while building hands-on experience with Python and ML tooling in production-like systems. Strengthened model debugging, dataset preparation, and end-to-end ML workflow skills.

2025-04 - 2026-03

CEO

Google Developer Group - Holy Angel University, Angeles City, Philippines

- Developed and implemented operational strategies for Google Developer Group, prioritizing quality of membership growth programs and collaboration with industry partners.
- Directed strategic initiatives that increased member engagement by 30%.
- Organized workshops and programs that improved participants' coding proficiency by approximately 40%.

2026-01 - 2026-03

Prompt Engineer

Nvidia

- Assisted in designing, testing, and optimizing AI prompts to enhance performance and reliability of large language models. Utilized NVIDIA GPU resources through NVIDIA System Management Interface (nvidia-smi) for monitoring and evaluation. Conducted prompt experiments and analyzed performance metrics to support the development of AI-powered solutions.

2025-01 - 2025-04

Junior Software Engineer Intern

Microsoft, Colorado

- Facilitated software development processes through effective debugging and collaboration within engineering teams. Authored and evaluated code to optimize application performance and ensure reliability. Contributed to troubleshooting efforts and bug resolutions, achieving a reduction in software defects. Engaged in code reviews and cross-team discussions to elevate code quality and compliance with standards.

2024-06 - 2025-04

Chief Technology Officer

Google Developer Group - Holy Angel University, Angeles City

- Oversaw technology initiatives and led the Tech Committee in organizing workshops and developing project ideas. Managed technical operations to support smooth project execution, introduced practices to improve team productivity, and collaborated with members to strengthen technical skills.

PROJECTS

- **NeuroCare AI: Reinforcement Learning for Breast Cancer Diagnosis** (*January 2026 – Present*)
 - Developed a reinforcement learning-based clinical decision support system that models real-world breast cancer diagnostic workflows.
 - Simulates sequential medical decision-making to determine the optimal use of ultrasound, mammography, and biopsy procedures.
- **IntelliAIDrive**
 - Built a simulation-based AI system combining YOLOv8n traffic sign classification with reinforcement learning for autonomous navigation research.
 - Integrated computer vision outputs into a reinforcement learning environment to support intelligent driving decisions.
- **Lakbay App**
 - Developed a Flutter-based travel and tourism platform for discovering destinations, booking accommodations, and managing travel itineraries across the Philippines.
 - Implemented scalable frontend and backend features to provide a seamless and user-friendly travel planning experience.

CERTIFICATIONS

- IBM AI Engineer Professional
- 05/2026 - Present
- Microsoft Generative AI Engineer Professional
- Google AI Professional
- AI & LLM Engineering Mastery: GenAI and RAG
- 12/2025 - Present
- Data Science Foundations - Level 2 (V2)
- 05/2025 - Present
- AWS Educate Machine Learning Foundations
- 04/2025 - Present
- Python for Data Science and AI
- 01/2025 - Present

Languages

English	
	Advanced (C1)
Filipino	
	Advanced (C1)
Japanese	
	Beginner (A1)

AWARDS & SCHOLARSHIPS

- Caffeine AI Manila: Hackathon Champion

- 11/2025, SkyDev 2025: AI for Accessibility — Champion
- 10/2025, Appcon2024 Hackathon: Finalist
- 06/2025, DevHirang: Community Startup Launch
- 06/2025, UP GenAI Hackathon: National Champion
- 03/2025, AI Con HAU Official Website Launch
- 01/2025, CEO, Google Developer Group on Campus HAU
- 01/2025, Top 1 DataCamp Scholar — GDG on Campus HAU
- 01/2025, Top GitHub Developer in the Philippines — Rank #11
- 01/2025, BotaniCatch — Top Participants | GDG Solution Challenge

PUBLICATIONS

- **Hackathon winners highlight AI's potential in community solutions - 12/2025**

The first-ever Caffeine AI Manila event brought together over 200 developers at High Grounds Cafe. Arron's team, focusing on the Technical Track, developed 'EcoCycle' — an AI-integrated waste management system using blockchain for redeemable points. The project was praised for its technical depth and immediate community impact, earning a \$500 top prize and national media recognition. This event marked the successful launch of the 'Self-Writing Internet' platform in the Philippines.

- **Appcon2024 Hackathon: Finalist 06/2025 | OtisPH**

Out of over 500 participating universities across the Philippines, Arron's team, Bitypyre, successfully secured a spot as a finalist in the highly competitive Appcon 2024 Hackathon. Their project, Emberwatch, is an AI-powered fire monitoring system that leverages computer vision and machine learning to detect early signs of fire hazards in real time. Designed to enhance community safety, Emberwatch provides faster detection, enabling quicker response and potentially reducing damage and loss.

- **Ep.3 | AppCon 2024 Spotlight**

Led by Arron—CEO of Google Developer Groups on Campus - Holy Angel University, UP GenAI Hackathon Champion, DataCamp Scholar, former Google Developer Groups on Campus - Holy Angel University CTO, and Google Solution Challenge competitor—the team pushed their limits at AppCon and proved what collaboration, resilience, and purpose can achieve.