

Andriyo Averill Fahrezi

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Canberra, ACT, Australia · Jakarta, Indonesia

EDUCATION

Australian National University <i>Bachelor of Advanced Computing (Honours) — Specialization in Machine Learning</i> Double Degree Program (with University of Indonesia). Coursework: Machine Learning, Computer Vision, Human-Computer Interaction, Systems/Networks & Concurrency, Algorithms, Computing Research Methods, Introduction to Finance.	Expected: July 2027 Canberra, ACT
University of Indonesia <i>Bachelor of Computer Science (Double Degree Program) — GPA: 3.90 / 4.00</i> Coursework: Data Structures & Algorithms, Design & Analysis of Algorithms, Database Systems, Advanced Programming, Platform-Based Development, Intro to AI & Data Science, Computer Networks & Security, Linear Algebra.	July 2023 – July 2025 Depok, Indonesia

TECHNICAL SKILLS

Languages: Python, Java, Go, Rust, Haskell, Dart, SQL, JavaScript, HTML/CSS
Frameworks & Libraries: Django, Java Spring Boot, Flutter, Tailwind CSS, NumPy
Tools & Platforms: Git/GitHub, AWS (EC2), REST APIs, CI/CD, Grafana, Power BI, PostgreSQL, MongoDB, Supabase
Concepts: Machine Learning, LLMs, Computer Vision, Data Engineering, Solution Architecture, SOLID Principles, OOP, Data Structures & Algorithms

EXPERIENCE

AI / Software Engineer (Project Team) — TechLauncher <i>RP+ Strategic Intelligence, Research Systems, Australian National University</i> - Contributing to a year-long enterprise AI project enriching ANU's RP+ research platform, applying Large Language Models and AI-based information extraction to classify publications (Field of Research codes) and surface hidden relationships between research entities. - Integrating enterprise systems through REST APIs, including the Elsevier Pure API, and working with research metadata and Power BI to turn fragmented information into connected insights. - Designing a secure, sustainable solution within ANU's enterprise IT ecosystem, spanning data engineering, API integration, and solution architecture.	Jul 2026 – Jun 2027 Canberra, ACT
Teaching Assistant — Foundations of Programming 2 <i>University of Indonesia (Faculty of Computer Science)</i> Self-taught Rust from scratch upon selection as TA (the course had transitioned from Go to Rust), then delivered tutorials and one-on-one mentorship that made systems-level programming concepts accessible to junior students.	Aug 2024 – Jan 2025 Depok, Indonesia
Teaching Assistant — Foundations of Programming 1 <i>University of Indonesia (Faculty of Computer Science)</i> Mentored lower-batch students in Python through tutorials, grading, and one-on-one support, reinforcing strong programming foundations.	Jan 2024 – Jun 2024 Depok, Indonesia

LEADERSHIP & ACTIVITIES

Secretary — ANU Indonesian Students Association (ANUISA / PPIA ANU) <i>Australian National University</i> - Directed official correspondence and external liaison, securing sponsorships, guest speakers, and catering from the Indonesian Embassy (KBRI Canberra) and partner bodies (AIYA ACT, PPIA-ACT). - Managed ANU Functions on Campus approvals and authored event risk assessment matrices (fire safety, allergen control, crowd logistics) for major campus events. - Standardised secretarial records and RSVP tracking, launched a structured email-blast system, and escalated urgent student-welfare cases to ANUSA Student Assistance.	Nov 2025 – Oct 2026 Canberra, ACT
Coordinator — ANU Muslim Students Association (ANUMSA) <i>Australian National University</i> Coordinated events, activities, and volunteers for the association, fostering an active and welcoming student community throughout the year.	Aug 2025 – Aug 2026 Canberra, ACT
Person in Charge (PIC), Business Development — Open House Fasilkom UI <i>University of Indonesia</i> Led the Business Development division; launched “Secret Admirer,” a new fundraising program that generated significant additional revenue, and managed vendor relationships, pricing, and on-site sales.	2024 Depok, Indonesia

PROJECTS

GatherLove — Crowdfunding & Donation Platform <i>Java Spring Boot, PostgreSQL, AWS EC2</i> Built and owned the Fundraising module and REST API applying SOLID principles; designed the C4 architecture and JWT-based authentication to secure user data.	GitHub
Bite@UI — UI Canteen Finder <i>Flutter, Django, REST API</i> Developed a cross-platform (mobile + web) app; owned CI/CD deployment, landing page, reviews, and faculty/canteen CRUD, integrating the Flutter front-end with a Django REST backend.	GitHub
UPDRS Prediction Research Paper <i>Python, NumPy, Machine Learning</i> Co-authored a research paper predicting UPDRS (Parkinson’s severity) scores using machine-learning techniques for the Intro to AI & Data Science course.	

ADDITIONAL

Languages: English (Professional), Bahasa Indonesia (Native)
Transferable Skills: Stakeholder Engagement, Sales & Fundraising, Vendor Negotiation, Event Coordination, Communication, Team Leadership