

Charisma Pramudya Rusdiyanto

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Portfolio Website
Vancouver, Canada

EDUCATION

The University of British Columbia

Expected Graduation: May 2026

Bachelor of Applied Science in Computer Engineering (Dean's Honored List)

Vancouver, BC

GPA: 84.4% (3.6/4.0) | Relevant Coursework: Software Construction, Cybersecurity, Machine Learning, Database

TECHNICAL SKILLS

Programming Languages: HTML, CSS, JavaScript, TypeScript, Java, Python, C++, C, SQL

Security Tools & Techniques: Ghidra, Burpsuite, Postman, SQL injection, AES library, Cryptography

Frameworks & Libraries: Next.js, React, Google ADK, MCP, REST APIs, Flutter, Flask, LangChain

Development Tools: MongoDB, Firebase, PostgreSQL, Qdrant (Vector Database), Git, Docker, Jira, Figma

TECHNICAL & LEADERSHIP EXPERIENCES

Gen-AI Developer

June 2025 - Present

UBC LTIC, University of British Columbia

Vancouver, BC

- Independently developing full-stack generative AI application for **200+** engineering students, delivering MVP within **3 months** through iterative client feedback and weekly target achievements
- Implemented Retrieval-Augmented Generation (RAG) system using Qdrant vector database and fine-tuned LLM prompts to specifically address engineering-focused queries with high accuracy
- Implemented comprehensive security measures including UBC CWL authentication, data privacy protocols, LLM security safeguards, and input validation to protect student information

Teaching Assistant - APSC 160

Sep 2025 - Present

UBC Computer Science Department, University of British Columbia

Vancouver, BC

- Provide academic support to **50+** Vantage Engineering students in C programming fundamentals, covering variables, loops, control structures, and Arduino programming with **6.25 hours** weekly commitment
- Grade assignments, respond to student inquiries, and provide personalized coding support to help students understand programming concepts
- Recognized by both students and course instructor for consistent availability, timely feedback, and leveraging personal Vantage College experience to mentor ESL learners effectively

UBC VSP Student Ambassador

July - Aug 2025

UBC Electrical and Computer Engineering Department, University of British Columbia

Vancouver, BC

- Led and facilitated **8+** social and cultural activities for **80+** international university students as part of 11-member ambassador team, achieving **80%+** participant satisfaction
- Utilized multilingual communication skills (English, Mandarin/Cantonese, Indonesian) to create inclusive environment while managing time-sensitive logistics and resolving conflicts between team members

HONORS & AWARDS

Indonesian Government Scholarship Recipient

Sep 2022 - Aug 2026

Ministry of Education, Culture, Research and Technology, Republic of Indonesia

- Awarded **\$200,000+** full scholarship covering tuition, living expenses, and academic support for **4-year** Computer Engineering degree at UBC
- Selected from competitive national pool based on academic excellence and leadership potential after became finalist in mathematical olympiad two years in a row

UBC Engineering Student Spotlight

Aug 2025

Faculty of Applied Science, University of British Columbia

- Profiled for academic excellence, leadership in Vantage One community, and successful transition to Computer Engineering program
- Recognized for contributions to student mentorship, community engagement, and representing the international student community at UBC