

# 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