

CHANDRA, Rachel Samantha

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EDUCATION

City University of Hong Kong — Bachelor's Degree in Computer Science Sep 2023 – Jun 2027

Full Tuition Scholarship for Outstanding Academic Achievement (HK\$145,000 per annum) Kowloon Tong, Hong Kong

Dean's List (Semester B 2023/2024): Awarded for earning a **GPA ≥ 3.7**

Relevant courses: Data Structures, Computer Programming (C++), Problem Solving and Programming (Java OOP)

Korea Advanced Institute of Science & Technology — Student Exchange Program

Feb – Jun 2025

Ranked #20 globally in Engineering and Technology (QS World Rankings 2024)

Daejeon, South Korea

Relevant courses/ skills: **Startup Design**, Docker

WORK EXPERIENCE

Healfie Technology Limited

Jun - Jul 2024

Mobile Application Developer Intern

Tsuen Wan, Hong Kong

- Simplified the user interface of an eye health iOS app to **improve accessibility** for older adults, demonstrating **user-centric** design and reducing task completion time by **34%**, which allows more individuals to receive eye health services.
- Learned **GitHub**, **React Native**, and **Vue.js** independently, demonstrating strong **self-directed learning** on **front-end** and **mobile app development**.
- Fixed responsiveness issues, roles creation and implemented error notifications to enhance functionality, showcasing a result-oriented approach to **problem-solving**.

World Harvest Indonesia (IFGF)

May 2023

Database Department Intern

Tangerang, Indonesia

Managed a team to manage **2,000+ records** with Excel, improving **efficiency** and **data accuracy** through strong **attention to detail**.

CreativKids Coding Class

Jun – Jul 2022

Academic Division Intern, Teacher Assistant

Tangerang, Indonesia

- Tutored **5+ students** in building **5 coding projects** using Python and Scratch, showcasing ability to **explain technical topics** clearly.
- Developed a **4-day learning program** with educational games and projects that **improved engagement** and **learning outcomes**.

PROJECT

Equipment Loan Manager

Nov 2024

Developed an equipment management system using **Java** and **Object-Oriented Programming** principles, including classes, polymorphism, exception handling, and **good programming practices**.

IoTrolley: Smart Shopping Trolley

Mar 2023

- Developed an IoT solution to improve **customer satisfaction** through reducing grocery shopping time by **82%** with automated pricing and self-checkout using ESP32.
- Collaborated with a team to conduct research and present findings to **15+ peers** and instructors, demonstrating **strong research reporting skills** and earning recognition for **innovation** in retail efficiency.

LANGUAGES & SKILLS

Languages: Native in Indonesian, Advanced English (IELTS 7.5)

Qualifications & workshop: Artificial Intelligence Foundations: Machine Learning (LinkedIn), Introduction to Cloud Computing and Vertex AI (Google Developers Group), Introduction to SQL (Kaggle), Cybersecurity Bootcamp (Cyberbay)

IT Skills: Python, SQL (basic), GitHub, React Native, C++, Web Dev (**HTML5**, **CSS**, **JavaScript**), Docker (basic), Figma

Previous projects: <https://chandarachel.github.io/portfolio/>