

# 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 Networks, Computer Programming, Problem Solving and Programming, Marketing

**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

**UPH College High School** Jul 2020 – Jun 2023  
Relevant courses: Internet of Things, Applied Mathematics in Computer Science and Engineering Tangerang, Indonesia  
Final Project:

- 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.

## 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**, **back-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  
Collaborated in 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**.

## LEADERSHIP EXPERIENCE/ OTHER ACHIEVEMENTS

**Advocacy Team Member & Event Organizer – Student Residence Hall** Sep 2024 - Present  
*City University of Hong Kong* Kowloon Tong, Hong Kong

- Strengthened **community engagement** by writing **5+ articles** for **promotional** content, showcasing written communication skills.
- Led a **team-building event of 30+ residents**, collaborating with a team of four to coordinate logistics and promote participation, resulting in **high turnout** and **positive feedback** from residents and hall masters.
- Demonstrated **cross-cultural communication** and **interpersonal skills** as a helper at hall events, interacting with diverse attendees and teaching various crafts.

**Physics Nobel Society – UPH College Cultural Week Showcase** Oct 2022  
*Project Presenter* Tangerang, Indonesia

- Demonstrated **cross-team collaboration** on a **rocket launcher project** using piezoelectricity and hydraulics.
- Translated complex concept into accessible presentation, showcasing **strong presentation skills** by educating **80+ students** at a **3-day event** while enhancing **awareness** of the club.

## 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), Docker (LinkedIn)  
**IT Skills:** GitHub, React Native, Java, C++, Python, SQL (basic), Docker (basic), Web Development (HTML, CSS, JavaScript)  
**Previous projects:** <https://chandrachel.github.io/portfolio/>, basic 16-bit CPU on Logisim Evolution