

KONG CHI YUEN (JIMMY KONG)

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Cybersecurity-focused Computer Science student at HKUST with hands-on experience in threat intelligence, web application security testing, CTF competitions, and security automation. Built internal monitoring systems, LLM-enabled security tooling, and full-stack applications with strong interest in offensive security and applied AI.

EDUCATION

- BEng in Computer Science | The Hong Kong University of Science and Technology** *Sep 2023 – Present*
• Year 4 undergraduate.
- Associate in Information Technology with Distinction | Hong Kong Community College** *Sep 2021 – Aug 2023*

WORKING EXPERIENCE

- Placement Student, Project Governance and Cybersecurity Division | HKSAR Government, Digital Policy Office** *Jul 2025 – Present*
• Collected and analyzed cyber threat intelligence to support vulnerability monitoring and incident response readiness in a public-sector environment.
• Supported web application security testing and cybersecurity drills, contributing to security assessment and operational preparedness.
- STEM Instructor / STEM Instructor Assistant | Ricoh (Part-time)** *Sep 2022 – Present*
• Delivered STEM lessons and guided students in problem solving across technology-focused courses and competitions.
• Supported classroom operations, troubleshooting, and student engagement in hands-on learning activities.
- App Developer Intern | InspireLab** *Feb 2023 – Apr 2023*
• Developed a cross-platform pose-detection exercise game for elderly users using React Native, promoting physical activity and encouraging engagement with technology.

PROJECTS

- Legislative Council Election Website Defacement Detection System | Independent Development in Government Environment** *2025*
• Designed, developed, and deployed an automated monitoring system to safeguard the integrity of official election web pages during the 2025 Hong Kong Legislative Council election period.
• Implemented scheduled page capture and baseline comparison to detect unauthorized changes to text, images, and hyperlinks, with real-time alerting for rapid response and investigation.
• Ran reliably on an internal government security network and received commendation from the Cyber Security Manager.
- Automated Threat Intelligence Monitoring and AI Analysis Platform | Security Automation Project** *2025 – 2026*
• Built a Python/Flask platform that continuously collected security advisories and CVE updates from more than 20 major technology vendors.
• Integrated LLM-based parsing to extract affected products, CVE identifiers, severity, and remediation guidance into structured outputs for analyst review.
• Developed dashboards, editing workflows, and automated report export/distribution to reduce manual SOC triage and reporting effort.
- Local LLM Red-Team Automation System | Research & Development Project** *2026*
• Developed an on-premise red-team automation system using vLLM, locally hosted Gemma 4, and LangGraph for planning, tool calling, and attack-chain orchestration.
• Integrated vulnerability scanning, payload generation, and result parsing while keeping sensitive testing data fully local for security and privacy compliance.
- AI Study Planner and Progress Tracking System | Full-Stack Project** *2026*
• Built a student productivity platform with React, TypeScript, FastAPI, Supabase, and PostgreSQL for task management, learning plans, calendar views, and progress visualization.
• Implemented security controls including JWT/API-key authentication, rate limiting, row-level security, API-key hashing, and AI usage quota management.
- Hijacking Local Low-Parameter Multi-Agent Systems | Research Project** *2026*
• Delivered a technical presentation on offensive and defensive security considerations for local multi-agent LLM systems, including inter-agent trust abuse, MCP tool poisoning, memory attacks, and runtime mitigations.

LEADERSHIP, ACTIVITIES, AND AWARDS

Core Member | HKUST Firebird CTF Team

Feb 2026 – Present

- Represent HKUST in competitive cybersecurity Capture The Flag events and team-based security challenge solving.
- Selected achievements: MidnightSUN CTF 2026 – Ranked 20/614 in Academic Group and Ranked 61/1295 Globally; Jersey CTF VI 2026 – 1st Runner Up in Student Category and 2nd Runner Up Globally; PolyU x NuttyShell Cybersecurity CTF 2026 – 1st Runner Up; HKCERT Capture the Flag Challenge 2025 – Silver Award; HKUST Firebird CTF 2026 – 1st Runner Up.

Engineering Student Ambassador | HKUST School of Engineering

Sep 2025 – Present

- Supported outreach, student engagement, and university events as an ambassador and event emcee.

Academic Secretary | The Computer Science and Engineering Students' Society, HKUSTSU

May 2024 – Apr 2025

- Mainly responded in the academic activities and being the communicator between CSE department and students. In addition, organizing events with others executive committees to our CSESS members.

SELECTED CERTIFICATIONS

- IBM – Ethical Hacking with Kali Linux (2025)
- IBM – Introduction to Ethical Hacking Principles (2025)
- Nvidia - Fundamentals of Deep Learning (2024)
- Google – Foundations of Cybersecurity (2024)
- Deloitte Digital Academy - Certificate of Recognition: CyberAce x Deloitte Academy preliminary courses (2023)
- Alibaba Cloud Certified Associate – Cloud Computing (2023)

SKILLS

- Programming: Python, C++, Java, SQL, JavaScript, TypeScript
- Security: Web Application Security Testing, Threat Intelligence, Pentesting, Red Teaming, Vulnerability Research
- Frameworks and Tools: FastAPI, Flask, React, React Native, Docker, LangGraph, LangChain, Selenium, BeautifulSoup, Supabase, PostgreSQL, vLLM
- Languages: Cantonese, English, Mandarin, Spanish