Caroline Smith

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MSc Information Technology student at Hong Kong University of Science and Technology, recent IT and cybersecurity intern for an international group insurance provider in New York City. Passionate about learning and adding value, team-oriented, analytical, personable, tenacious. Excited to apply my computer science and leadership background to the IT and cybersecurity sectors.

Skills:
Python3 and SHAP, Bash, Scala, SQL, Java, C/C++ | Git, GitHub, Microsoft Office, LaTeX

Education:
The Hong Kong University of Science and Technology – MSc IT (with a concentration in cybersecurity)
Graduation 07-2025
Notable Classes: Independent Project on developing financial data analysis programs in zero-knowledge (in collaboration with HSBC), Software Security, Principles of Cybersecurity, Engineering Reliable Enterprise Software Systems, Data Mining and Knowledge Discovery

King's College London – BSc Hons Computer Science
2021-2024; First Class Honours (highest degree classification in the UK)
Notable Classes: Security Engineering (Graduate Level), Security Testing (Graduate Level), Software Architecture and Design, Network Security, Cryptography, Internet Systems, 3-Month Software Engineering Group Project, Operating Systems and Concurrency, Introduction to AI, Programming (Java, Scala and C++), Database Systems

Experience:
Cybersecurity and IT Intern, Nippon Life Benefits
05-2024 to 07-2024
• Revamped critical security documents including the company-wide Disaster Recovery Plan, Incident Response Plan, Business Continuity Plan, and security policies in line with New York regulations and NIST CSF 2.0
• Developed an internal wiki for documenting technical compliance with NIST and NY DFS regulations, allowing the IT department to ensure security and compliance with novel regulations with significantly more efficiency
• Regularly engaged in helpdesk/technical troubleshooting tasks to improve my problem-solving skills and reduce the helpdesk burden on other IT team members

Treasurer/Society Co-Lead, Women in Computer Science Society
2023-2024 (previously Vice President from 2022 to 2023)
• Elected by society members to fulfil responsibilities such as sourcing funding, coordinating events, networking with sponsors, co-leading meetings, onboarding new recruits, mediating committee conflicts, and re-organizing committee structure for increased efficiency
• Honoured as a finalist for Most Improved Society at the 2023 King's College London Student Union Awards

King's Undergraduate Research Fellow
07-2023 to 10-2023
• One of two candidates selected to develop a framework for a novel tech-based learning approach for detecting vulnerabilities in C programs, for the Security Engineering module at King's
• Due to high-quality work during the initial four-week period, uniquely requested by the project supervisor – a King's cybersecurity lecturer – to continue research for an additional three months
• Obtained a King's Experience Research Award for a reflective essay and academic poster about the experience

Honours and Certifications:
CompTIA Network+
• Achieved a score of 756/900 in July 2023

• Demonstrated theoretical and practical knowledge in computer network implementations, operations, security, and troubleshooting, including routing, TCP/IP, wired and wireless network architecture, ports and protocols, VPNs, network attacks and hardening, and software and hardware tools

2022 Google Solution Challenge (developing technological solutions for UN Sustainable Development Goals)
• First Place in United Kingdom and Top 50 Global Finalist out of over 800 teams worldwide
• Developed a Google Chrome extension in Javascript which provides more accurate medical search query results