

Caroline Smith

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Final-year BSc Hons Computer Science student at King's College London and incoming MSci Information Technology student at Hong Kong University of Science and Technology. Passionate about learning and adding value, team-oriented, analytical, creative, personable, tenacious. Seeking to apply my computer science and leadership background to the IT and cybersecurity sectors.

Skills:

Python3 and SHAP for machine learning, Bash, Scala, SQL, Java, C/C++ | Git, GitHub, Microsoft Office, LaTeX

Education:

King's College London – BSc Hons Computer Science

Graduation 07-2024; predicted First Class Honors

Classes: Security Engineering (C and Shell Scripting), Formal Verification, Penetration Testing, Software Architecture and Design, Network Security, Cryptography, Internet Systems, Practical Experiences in Programming (C++ and Scala), 3-Month Software Engineering Group Project, Operating Systems and Concurrency, Programming Language Paradigms, Introduction to AI, Java, Foundations of Computing I/II, Computer Systems, Elementary Logic with Applications, Introduction to Software Engineering, Introduction to Professional Practice, Database Systems, Data Structures

Experience:

Treasurer/Society Co-Lead, Women in Computer Science Society

Since 09-2023

- Involves ongoing communication and coordination with the student union, society members, venues staff, sponsors, and other societies
- After a successful year as Vice President, voted by fellow society members to handle funding applications, process payments, coordinate events, network with sponsors, and co-lead the society

King's Undergraduate Research Fellow

07-2023 - 10-2023

- One of two candidates selected to develop a framework for a novel tech-based learning approach for detecting vulnerabilities in C code, for the Security Engineering module at King's
- After the conclusion of the original four-week fellowship, requested by the project supervisor – a King's cybersecurity lecturer – to continue research with plans for co-authorship and publication

Events Officer, KCL On The Streets (Homelessness Outreach Society)

09-2022 to 04-2023

- Directed society participants, maintained safety, and mentored others in communication during outreach sessions
- Requires strong leadership, communication and adaptability skills in often challenging environments

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