

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. Excited 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 (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

Extracurriculars:

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

Since 09-2023 (previously Vice President from 08-2022 to 08-2023)

- Elected by society members to fulfill 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
- Honored 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 for a four-week internship 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, with plans for co-authorship
- Awarded a King's Experience Research Award for a reflective essay and academic poster about the experience

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
- Developed strong leadership, communication and adaptability skills in often challenging environments
- Honored as a finalist for Most Improved Society at the 2023 King's College London Student Union Awards

Honors 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