Simon Campos Greenblatt

Durham, North Carolina
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Skills

Programming: Java, C, C++, Python, CUDA
Technologies: Burp Suite, Kali Linux, Jenkins, Docker, Git, Visual Studio, Eclipse, GDB
Communication: Fluency in English, Spanish, French, and Italian. Experience as TA and tutor
Cybersecurity Concepts: STRIDE threats, NIST Cybersecurity Framework, OWASP Top 10

Education

Brown University | Providence, RI
Sc.M. in Cybersecurity, Computer Science Track — Expected May 2024
Relevant Courses: **Computer Security**, Human Factors in Cybersecurity

North Carolina State University | Raleigh, NC
B.S. in Mathematics with a Minor in Computer Programming — May 2022
Distinctions: Graduated **summa cum laude**, Mathematics Honors Program, 3.9 GPA
Relevant Courses: Software Development, Operating Systems

Università di Pisa | Pisa, Italy
Study abroad program taught entirely in Italian — December 2021
Completed 12 credits, including a **cryptography** course

North Carolina School of Science and Mathematics | Durham, NC
Complementary high school with emphasis on mathematics and computer science
Relevant Courses: Cisco **Network Engineering** I & II

Related Projects and Experiences

Secure Communication Framework — Spring 2023
Created an **encrypted messaging application** for users to exchange secure and signed messages. Implemented a Diffie-Hellman ratchet and used cryptographic building blocks such as AES.
Skills: secure **cryptographic protocols**, cryptographic libraries, networking

Cybersecurity Exercises — Spring 2023
Capture the Flag: Used exploits to perform unauthorized actions on a website. Created **vulnerability reports** detailing discovery, impact, and mitigation. Automation: Used scripts to perform meet-in-the-middle and brute-force attacks on poorly configured cryptographic systems.
Skills: SQL Injection, XSS, Cross-Site Request Forgery

Research Papers — Fall 2022
Usability of Authentication: Human-centric improvements to password management and mobile and multi-factor authentication. Cybersecurity of Critical Infrastructure: Government cooperation with the private sector and the economic, social, and moral incentives at play.
Skills: **authentication mechanisms,** user experience**,** cybersecurity law