

Sarah Korczukowski

Permanent: Hackettstown NJ 07840 | **Current:** Hoboken, NJ 07030

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Education

Stevens Institute of Technology, Hoboken, NJ
Bachelor of Engineering in Software Engineering
Expected Graduation May 2025
GPA: 3.6

Coursework: Engineering Design, Thermodynamics, Calculus, Mechanics, Electricity and Magnetism, C++ Programming, Individual Software Engineering, Object-Based Software Development, Probability and Statistics, Modern Physics, Logistics and Supply Chain Management, Project Management, Modeling and Simulation, MatLab

Work Experience

- **Brother Corporation USA**, Bridgewater, NJ:
Information Technology Security Analyst Intern
June 2023 - Present
 - Monitored, analyzed, and responded to cyber activity and potential threats using Taegis and CrowdStrike
 - Responded to malware attacks by remoting into desktops
 - Collaborated with the cyber security team on policy modification and creation
 - Creating test phishing emails to test security awareness and investigate phishing attacks
 - Created a formal process and flow for the use of PhishER software
- **Mobile AI Cybersecurity Computing (MACC) Lab**, Hoboken, NJ:
Undergraduate Research Assistant
August 2022 - July 2023
 - Researching network vulnerabilities in the srsRAN suite, a 4G and 5G software radio suite
 - Conducted experiments testing 5G vulnerabilities. This includes reading and modifying C++ code files, navigating through a network using Linux, conducting tests using Python, and interpreting Linux output results
 - Responsible for recording testing data, documenting protocols, taking lab meeting notes, and updating the lab website

Academic Projects

- **Independent Study of Computer Science**
August 2020 - June 2021
 - Worked collaboratively and independently on a variety of technology projects in two to four-week-long learning modules
 - Projects consisted of both hardware and software including the self-teaching of Python, Arduino, Raspberry Pi, Amazon Alexa, XBOX Kinect, and Twitter API
 - Portfolio: <https://sites.google.com/warrenhills.org/advancedtopicsincs/students-projects/202021/sarah-k?authuser=0>

Skills

- **Development:** Java, Python, C++/C, MATLAB, Twitter API, JavaScript, Web Penetration Testing, SQL
- **Software:** MS Office Suite, Visual Studio, SolidWorks, Windows / Linux, srsRAN, Taegis, CrowdStrike, Kali, Wireshark, WinSCP, PhishER, KnowBe4
- **Hardware:** Soldering (traditional & surface-mount), breadboard, Arduino, Raspberry Pi, Microbit

Activities

Varsity Field Hockey, Society of Women in Engineering, Women in Computer Science, Mental Health Athletics Committee, The Hidden Opponent Campus Captain

Honors

- National Cyber Scholar by National Cyber Scholarship Foundation, June 2022
- National Cyber Finalist by National Cyber Scholarship Foundation, June 2022
- Two Time AP Scholar with Distinction, 2020-2021
- Two Time New Jersey State Winner of the National Center of Women in Information Technology Aspirations (NCWIT) Award, 2020-2021
- NCWIT Rising Star Award, 2019
- New Jersey State Seal of Biliteracy in Spanish, 2020