

Derek Kwon

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Personal website: <https://dereks-space-portfolio.netlify.app/>

Objective

Ever since genuinely enjoying an exam for the first time in the form of my cybersecurity class's penetration test and network scan lab final, I have been studying to experience that sort of excitement and challenge once more. I am eager to get my foot in the door with an entry-level cybersecurity position and will bring a strong work ethic and curiosity to your organization.

Professional Experience

Content Data Specialist Intern | Tesla Government | Falls Church VA

June 2023 – August 2023

- Wrote Python scripts to automate cleaning, filtering, and reformatting of maritime data so that it could be properly displayed on maps on company's information platform
- Competed in the company hackathon with a BERT language model that assigned tags to articles; competed in company's data visualization competition with bubble plots for African foreign relations data made in RStudio
- Scraped data from both English and Korean online sources using Selenium and BeautifulSoup and put the data into structured data tables to add to company's information on North Korea

Data Intern | MacDowell Law Group | Fairfax VA

August 2024 – Present

- Utilized natural language processing and regular expressions in Python to clean and reformat large spreadsheets of client data so that it could be processed by a 3rd party software vendor's AI
- Compared spreadsheets to pinpoint data loss caused by a power outage, and made secure backups of data to avoid future incidents
- Helped consult regarding the security and practicality of a potential 3rd party software vendor's AI chatbot being added to the organization's website

Education

William and Mary | Williamsburg, VA | GPA: 3.60

Graduated January 2025

Degree: Bachelor of Science, Cum Laude

Major: Computer Science

Relevant Coursework: Cyber and Info Security Management, Intro to Software Development, Web Programming

Campus Activity: W&M Game Development Club

Skills, Certifications, Clearance

Relevant skills: Penetration Testing, Secure Software Development, Secure Server Configuration, Kali Linux, VirtualBox, Wireshark, TCPdump, Suricata, Port and Network Scanning, VirusTotal API, Metasploit

General Skills: Linux CLI, Web development, Object-Oriented Programming, Cloud Databases with Microsoft Azure, SQL

Programming Languages: JavaScript, TypeScript, Python, Java, C#, C++, R, Ruby

Languages: Korean

Clearance: Eligible to obtain (U.S citizen by birth)

Projects

Google Cybersecurity Certificate

- Mastered foundational security concepts and guidelines and engaged in labs to practice common tools of the trade such as Linux, Python, SQL, and Wireshark

Penetration Testing Labs

- Performed simulated penetration testing attacks on a dummy vulnerable server using nmap and nikto scanning for reconnaissance, SQL & command injection, cross-site scripting, cross-site request forgery, and backdoors via 3rd party vulnerabilities

Cybersecurity Projects @ <https://github.com/Derek9132>

- Wrote a VirusTotal API file/URL scanner to understand open intelligence and keylogger to simulate attacker methods