

Daniel (Joo Hyung) Lee

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Professional Experience

Comcast Corporation — Data Analytics Analyst Intern

September 2021 - March 2022

Philadelphia, PA

- Constructed large SQL queries to extract and analyze substantial data volumes, leading to identification of changes up to 20%.
- Enhanced analytical cheat sheets, demonstrating Comcast and NBCU's DE&I progress from 1% to 15%.
- Developed a comprehensive Data Dictionary for the DE&I Server, organizing data for over 20 tables based on meaning, relationships, origin, format, and location.

Skills4Industry — Database Engineer Intern

October 2020 - March 2021

Washington, DC

- Implemented container virtualization through QNAP NAS system setup for enhanced efficiency.
- Offered constructive feedback to fellow interns' web applications using customer feedback.
- Produced comprehensive training documents showcasing proficiency in soft skills and technology-based business concepts, under manager's guidance.

Comcast Corporation — Data Analyst Intern

October 2019 - March 2020

Philadelphia, PA

- Extracted and transformed large-scale data from multiple databases and tables using SQL, producing Tableau reports for effective data visualization.
- Supervised technicians/executive staff by generating weekly reports, highlighting key performance metric changes of up to 15%.
- Contributed to QA testing and front-end UI design for internal applications, enabling employee monitoring of field technicians' activities.

Project Experience

PortSploit Senior Project — <https://senior-project-drexel.web.app/projects/46>

- Led the development of PortSploit, an innovative reconnaissance tool that consolidates information simplifying the process of reconnaissance, and threat identification.
- Leveraged Flask framework to design and implement a robust web-based user interface that simplifies user interaction and displays consolidated organization data.
- Utilized CSV manipulation techniques to seamlessly merge port vulnerability information from SpeedGuide.net's local database with data sourced from the Shodan API.

HomeLab

- Setup virtual machines and utilized Snort, Splunk, and Wireshark. Studied intrusion detection, log analysis, and network monitoring.
- Simulated security scenarios to refine incident response and threat mitigation skills, applying learned techniques to identify and address potential threats.
- Engaged online communities to address challenges and troubleshooting issues.
- Curated a blog-style website documenting home lab projects and labs, sharing insights with the cybersecurity community.

Skills

Security	Snort, Splunk, Wireshark, Wazuh
Programming	Python, SQL, HTML, JavaScript
Operating Systems	Linux (Ubuntu, Kali, Metasploitable 2), Windows 10, MacOS
Tools & Technologies	VMware Workstation, Terminal, Git, Flask, Docker, Tableau

Certifications & Training

CompTIA Security+ SYO-601 — *In Progress (Expected Oct 2023)*

Education

Drexel University

Bachelor of Science in Computing and Security Technology

Graduated: June 2023

GPA: 3.66