

# Daniel Lee

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## Professional Experience

### Comcast Corporation — Data Analytics Analyst Intern

September 2021 - March 2022

Philadelphia, PA

- Developed a comprehensive Data Dictionary for the DE&I Server, organizing data for over 20 tables based on meaning, relationships, origin, format, and location.
- 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%.

### 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 application ideas for societal support.
- 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. Learned valuable experience in intrusion detection, log analysis, and network monitoring.
- Engaged online communities to address challenges, demonstrating resourcefulness and adeptness at utilizing external knowledge for troubleshooting.
- Simulated security scenarios to refine incident response and threat mitigation skills, applying learned techniques to identify and address potential threats.
- 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, Docker

## Certifications & Training

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

## Education

### Drexel University

Bachelor of Science in Computing and Security Technology

Graduated: June 2023

GPA: 3.66