

Natalie Sanchez

Willing to Relocate, Philadelphia PA

[Email](#) | [LinkedIn](#) | [GitHub](#) | [portfolio](#)

CERTIFICATES

Google Google Cybersecurity Professional Certificate

PCEP™ – Certified Entry-Level Python Programmer

PROJECTS

Homelab

2025

- Developed a virtual lab environment using VirtualBox, Kali Linux, and Windows VMs to simulate attack scenarios and analyze network activity using Nmap and Wireshark.

Power Factor Application | *Python, Tkinter, Pandas*

July 2023 – June 2025

- Designed and developed a Python application that automated power factor calculations, reducing calculation time from minutes to seconds.
- Implemented Excel export functionality, eliminating manual calculations and improving workflow efficiency for the PECO Energy Marketing and Services team.

Data analytics Sprint

2024 – 2025

- Co-developed and co-delivered 'Philly Data Miners' sprint with PECO and CHOP experts in data analytics. Engage in hands-on tasks, including data cleaning, OAS data pulling, and meticulous verification. Currently addressing glitches in a team project, employing analytical skills to enhance data processes.

EXPERIENCE

Vice President of Cybersecurity club

Community College of Philadelphia

Present

Philadelphia, PA

Data Analyst Apprentice

PECO

November 2025 – Present

Hybrid — Philadelphia, PA

- Develop SQL queries to analyze operational and customer data, providing insights that support business decisions and reliability initiatives.
- Build and maintain ETL workflows to clean, transform, and validate data for reporting and analytics.
- Develop Power BI dashboards to monitor customer and operational metrics, enabling stakeholders to identify trends and prioritize improvements.
- Investigate data quality issues by tracing records across multiple enterprise systems, identifying missing or inconsistent data affecting reporting accuracy.
- Automate manual data processes using Python, improving efficiency and reducing repetitive tasks.
- Collaborate with cross-functional teams including business analysts, engineers, and data professionals to deliver data-driven solutions.
- Document data flows, business logic, and technical processes to improve knowledge sharing and support ongoing projects.

Student

LaunchpadPhilly

July 2025– Sept 2025

Philadelphia, PA

Social Media and Influencer Strategy Extern

August. 2025 – October 2025

Remote

Extern

Contracted Data Analyst Intern

PECO

July 2023 – June 2025

Philadelphia, PA

- Designed and developed a Power Factor App that cut calculation time from minutes to seconds and changed the process from manual to automatic, significantly improving the PECO Energy Marketing and Service team's workflow.
- Co-developed and taught data analytics courses for high school students. I helped teach them new skills such as data visualization with Tableau and PowerBI.
- Collaborated effectively with cross-functional teams to deliver data driven solutions aligned with business needs, improving project outcomes.
- Delivered engaging lightning talks that simplified complex topics, helping team members across departments better understand them.
- Preprocessed and cleaned large datasets, improving data quality and enabling faster, more reliable analysis across teams

SKILLS

Programming: Python, SQL, JavaScript

Data Analytics: Power BI, Tableau, ETL, Data Analysis, Data Cleaning, Data Validation, Data Visualization, Dashboard Development, Business Intelligence, Reporting, Microsoft Excel

Database & Data Management: SQL Querying, Data Exploration, Data Quality Analysis, Data Mapping, Data Pipelines, Data Documentation

Cybersecurity: Linux, Windows, Cybersecurity Fundamentals, Attacker Techniques and Workflows, Vulnerability Identification and Remediation, TCP/IP, Firewalls, VirtualBox, Digital Forensics, Autopsy, OSForensics, Reverse Engineering

Tools: Git, Azure

Professional: Technical Documentation, Cross-functional Collaboration, Stakeholder Communication, Business Requirements Analysis, Problem Solving

EDUCATION

Community College of Philadelphia

Associate in Applied Science : Major Cybersecurity

Philadelphia, PA

January 2025 – Present

Community College of Philadelphia

Digital Investigations Prof. Cert.

Philadelphia, PA

January 2025 – Present