

Natalie Sanchez

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PROFESSIONAL SUMMARY

Data analyst with hands-on experience building SQL queries, ETL workflows, and Power BI dashboards in a utility environment. Skilled in Python automation, data quality analysis, and cross-functional collaboration. Complementary background in cybersecurity, including network analysis, digital forensics, and vulnerability identification.

CERTIFICATIONS

- Google Cybersecurity Professional Certificate
- PCEP – Certified Entry-Level Python Programmer

PROJECTS

- Homelab** 2025
- Built a virtual lab environment using VirtualBox, Kali Linux, and Windows VMs to simulate attack scenarios and analyze network activity using Nmap and Wireshark.
- Philly Data Miners — Data Analytics Sprint** 2024 – 2025
- Co-developed and co-delivered a data analytics sprint with PECO and CHOP subject-matter experts, completing hands-on tasks including data cleaning, OAS data pulling, and data verification.

EXPERIENCE

- Data Analyst Apprentice** November 2025 – Present
PECO Philadelphia, PA (Hybrid)
- Developed Python and Pandas scripts incorporating SQL to automate rate calculations for a stakeholder, reducing a manual process that took 3 to 5 hours per day across multiple accounts to seconds.
 - 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.
 - Document data flows, business logic, and technical processes to improve knowledge sharing and support ongoing projects.
- Contracted Data Analyst Intern** July 2023 – June 2025
PECO Philadelphia, PA
- Designed and developed a Power Factor Application using Python, Tkinter, and Pandas that automated power factor calculations, reducing turnaround time from 1 to 2 weeks down to under a minute.
 - Implemented Excel export functionality, eliminating manual calculations and improving workflow efficiency for the PECO Energy Marketing and Services team.
 - Co-developed and co-taught data analytics courses for high school students, covering data visualization with Tableau and Power BI.
 - Preprocessed and cleaned large datasets, improving data quality and enabling faster, more reliable analysis across teams.
 - Delivered lightning talks that simplified complex technical topics for team members across departments.
 - Collaborated with cross-functional teams to deliver data-driven solutions aligned with business needs.
- Social Media and Influencer Strategy Extern** August 2025 – October 2025
Extern Remote
- Student** July 2025 – September 2025
LaunchpadPhilly Philadelphia, PA
- Vice President, Cybersecurity Club**
Community College of Philadelphia Philadelphia, PA

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	Philadelphia, PA
<i>Associate in Applied Science, Cybersecurity.</i>	<i>January 2025 – Present</i>
Relevant Coursework: Hands-on lab work identifying attack patterns and analyzing attacker techniques and workflows	
Community College of Philadelphia	Philadelphia, PA
<i>Digital Investigations Professional Certificate.</i>	<i>January 2025 – Present</i>