

Steven J. Pisani Jr.

Philadelphia, PA 19106 | (856) 313-7346 | sjp543@gmail.com

Professional Experience

Inspire

Data Engineer

Philadelphia, PA
April 2019 – Present

- Lead migration of a legacy Data Analysis and Modeling R repo from Redshift to Snowflake
- Design, test, and maintain data management and ETL processes utilizing Airflow, dbt, and AWS applications
- Produce actionable business predictions using data on weather, customer energy consumption, and commodity markets
- Educate business and executive leadership on KPIs and overall business health through well designed reports

The Penn Group of Companies

Renewable Energy Engineer & Data Analyst

Bala Cynwyd, PA
July 2018 – April 2019

- Evaluate globally dispersed sites for potential power generation/energy storage systems development
 - Perform detailed modeling and analysis of site technical and financial performance over the proposed life of system
 - Develop and pitch solicited and unsolicited project proposals to landowners and potential off-takers
- Monitor and analyze existing company generation systems for anomalies and improvement opportunities
 - Design Python apps for automated real-time detection and alert systems for site issues
 - Utilize large historical system datasets for development of predictive/analytical models
- Direct company field operations team and third-party O&M providers to address and resolve plant issues
 - Explain site issues and how to remedy them remotely through reports, data visualization, and effective communication
 - Manage changes made by and performance of operations team members and report to company leadership

Susquehanna International Group

Electricity Commodity Trading Strategist

Bala Cynwyd, PA
March 2017 – March 2018

- Developed creative trade strategies through analyses of electric power market data
- Designed Python apps for traders capable of handling and displaying big data efficiently and effectively
- Utilized machine learning algorithms and data visualization tools to provide foresight for optimal trading strategy

Exelon Corporation

Technical Strategist, Corporate Strategy, Innovation & Sustainability

Kennett Square, PA
March 2016 – March 2017

- Identified and developed market expansion opportunities for Exelon in the electric vehicle industry
 - Determined product details and market entry strategy through research and customer/business interviews
 - Winner of company-wide Innovation Competition against over 260 other projects
- Deployed new Collaboration/Cognitive Computing platform to a user base in excess of 2,000 nuclear engineers
 - Traveled to 14 nuclear power plants to promote application and enhance user adoption
 - Monitored website daily and provided feedback and support to new users
- Supported advanced analytic platform used to predict future nuclear plant performance
 - Increased data cleansing process efficiency through macro implementation
 - Compiled and validated data; located and resolved all discrepancies

Education

Drexel University
Master of Science in Engineering Management, June 2018

Philadelphia, Pennsylvania
Cumulative GPA: 3.80

Drexel University
Bachelor of Science in Electrical Engineering, June 2018
Minor in Entrepreneurship, Energy Innovations

Philadelphia, Pennsylvania
Cumulative GPA: 3.45

Skills

Python; SQL; AWS; Snowflake; Tableau; VBA; Airflow; DBT; Pandas; Docker; Jupyter; Git; Bash

Honors and Awards

IEEE PES Scholarship Plus	Institute of Electrical and Electronics Engineers	2014-2018
James R. Hoffa National Scholarship	International Brotherhood of Teamsters	2013-2018