# CORY GARGAN

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## PROFESSIONAL SUMMARY

Detail-oriented Data Analyst with expertise in Python, SQL, and Power BI, leveraging ETL processes and statistical analysis to drive actionable business insights. Experienced in developing automated dashboards, optimizing workflows, and enhancing data accuracy for executive decision-making. Proficient in transforming raw data into meaningful insights to improve efficiency, compliance, and business outcomes through cross-functional collaboration.

## SKILLS

- **Programming & Database:** Python (Pandas, NumPy, Scikit-learn, XGBoost), SQL, R, Excel, MS Dynamics
- **Data Visualization:** Power BI, Tableau
- **Statistical Analysis/ML:** A/B Testing, Regression Analysis, Predictive Modeling, Data Validation
- **Cloud & Big Data:** Microsoft Azure, Snowflake, ETL
- **Soft Skills:** Problem-Solving, Communication, Attention to Detail, Time Management, Efficiency

## WORK EXPERIENCE

### Data Analyst
CPower Energy | April 2023 – Present | Remote
- Utilize Python daily for data cleaning, transformation (ETL), and analysis; automate repetitive tasks
- Develop and maintain Power BI dashboards for C-Level executives and company-wide access
    - Enables complex data visualization and interpretation
- Conduct statistical analysis on large datasets to drive actionable insights
- Key contributor to an agile Data Streaming project initiated by the CEO
    - Collaborate with cross-functional teams to drive iterative improvements and optimize data delivery
    - Analyzed millions of rows of utility data, reducing customer data lag by 77-92%
- Designed and manage an Annual Data Validation project (2,200+ accounts)
    - Improved regulatory compliance and reduced backlog in Data Validation tasks by 45% in one month
- Conduct SQL queries on relational databases for ad hoc reporting
- Led AI research project for the SVP of Technology, evaluating emerging AI platforms for business use

### Data Analyst
Price Acoustics | Dec. 2021 – April 2023 | Bohemia, NY
- Developed dashboards to track project expenses, leading to $100,000+ recovery in outstanding payments
- Utilized Python to improve data accuracy and ensure compliance for potential audits
- Performed various ad hoc analyses to support financial and operational decision-making

### Data Analyst, Fingerprints
Nassau County Police Department | May 2019 – Dec. 2021 | Mineola, NY
- Implemented data entry process change, reduced misidentifications and incorrect data transmission errors by 75%
- Led a team of four analysts, ensuring data accuracy and compliance with state and federal regulations
- Conducted ad hoc analyses to support department operations

### Police Officer
Nassau County Police Department | Oct. 2015 – May 2019 | Mineola, NY
- Served in patrol functions and specialized units to ensure public safety

## EDUCATION

**B.S. Business Administration** – Stony Brook University | Stony Brook, NY
GPA: 3.4/4.0

## CERTIFICATIONS & PROJECTS

**Certifications:** Google Data Analytics Professional Certificate, IBM Data Engineering Professional Certificate

**Projects:** **Data Streaming Optimization** – Led statistical analysis on large-scale utility data, reducing lag times by 77-92%

**AI Research Initiative** – Evaluated AI platforms for business use, providing key insights to senior leadership

**Annual Data Validation Project** – Implemented and managed a compliance-driven project impacting 2,200+ accounts