

## EXPERIENCE

---

- **Anchor QEA**

*Data Scientist*

Woodcliff Lake, NJ

*Mar. 2020 - Aug. 2022*

- Engineered python solutions for data extraction, cleansing, visualization, and statistical analysis, enabling the delivery of meaningful insights and innovative business solutions for over 50 projects.
- Collaborated with project executives to resolve business problems and propose custom dashboard designs with real-time database streaming, tailored to client-specific requirements.
- Maintained strong accountability for data completeness and quality control in a 3TB relational database with over 100 tables and views, emphasizing meticulous attention to detail and data management skills.
- Strategically optimized ETL pipelines to gather, prepare, cleanse, and transform client data, resulting in 120% faster workflows between data science and project management teams.

- **Grid Logistics**

*Data Analyst*

Kearny, NJ

*Aug. 2018 - Mar. 2020*

- Developed scripts with R and LaTeX for generating statistical analysis tables, formatted spreadsheets, and PDF summary reports to increase contracts by 11% YOY.
- Designed SQL queries and analyzed compliance reports to provide actionable recommendations for stakeholders, demonstrating strong problem-solving and consulting skills.
- Fostered customer relationships through seamless communications, proactive visits, and meticulous management of soil logistics, maintaining 100% client retention.

## PROJECTS

---

- **Dog Breed Prediction Application**

Links: [GitHub](#)

*February 2024*

- Used Keras transfer learning to train, fine-tune and compare four modern neural network architectures for computer vision task of predicting dog breeds from images, with a peak accuracy of 94% for EfficientNetB3V2.
- Deployed a tensorflow serving model with docker containerization and a flask gateway, deployed via serverless (AWS Lambda) and Kubernetes (AWS EKS) with an interactive frontend Streamlit application, attaining efficient response times of under 3 seconds.

- **Molecular Graph Network**

Links: [GitHub](#), [Report](#)

*July 2023*

- Implemented a Graph Neural Network (GNN) architecture using PyTorch Geometric, with an F1-score of 95%, for node classification of the protein-protein interaction (PPI) dataset.
- Designed a novel combination of Molecular Fingerprint Convolution (MFConv) and Graph Isomorphism Network (GIN) layers, achieving a 67% reduction in model training time.

## SKILLS

---

- **Languages:** Python, R, SQL, JavaScript, Java, Scala, C#, HTML5, CSS.
- **Technologies:** AWS, DataBricks, dbt, Docker, Git, GCP, Snowflake, PyTorch, Tableau, Tensorflow.

## EDUCATION

---

- **Georgia Institute of Technology**

*Master of Science in Computer Science; GPA: 4.0*

Atlanta, GA

*Aug. 2022 – Expected May 2024*

- **State University of New York at New Paltz**

*Bachelor of Science in Environmental Geochemistry; GPA: 3.5*

New Paltz, NY

*Aug. 2013 – May 2017*