

## EXPERIENCE

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- **Anchor QEA** Woodcliff Lake, NJ  
*Data Scientist* Mar. 2020 - Aug. 2022
  - Designed data models, automated testing, and quality control checks for a 3TB relational database, improving database reliability by 7%.
  - Built ETL pipelines with python, T-SQL and SQL server agents to onboard client data, reducing labor by 40 hours each month.
  - Developed python programs for extraction, cleansing, statistical analysis, and visualization of structured and unstructured data sources, resulting in a 20% reduction in deliverable turnaround times.
  - Collaborated with project executives to design custom dashboards, used by over 50 internal employees to extract insights from live database streams.
- **Grid Logistics** Kearny, NJ  
*Data Analyst* Aug. 2018 - Mar. 2020
  - Spearheaded the utilization of R and LaTeX to automate generation of statistical analysis tables, spreadsheets, and PDF summary reports, increasing efficiency by 60%.
  - Designed PostgreSQL queries and analyzed compliance reports to provide actionable recommendations for stakeholders, resulting in a 9% increase in bids won.
  - Fostered customer relationships through seamless communications, proactive meetings, and meticulous management of logistics, maintaining 100% client retention.

## PROJECTS

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- **Dog Breed Prediction Application**  
Links: [GitHub](#), [Streamlit Application](#) February 2024
  - Used Python and Keras to fine-tune and compare 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.
- **Yelp Fake Review Dashboard**  
Links: [GitHub](#), [Video Presentation](#) May 2023
  - Trained SVM, KNN, naive bayes, logistic regression, and random forest machine learning classifiers with python and scikit-learn to predict fake reviews, incorporating sentiment analysis with TF-IDF and feature engineering for a notable 12% increase in recall.
  - Developed a user-friendly, interactive dashboard visualization employing D3.js as an analytical tool, uncovering 113 suburban markets negatively impacted by fake reviews.

## SKILLS

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- **Languages:** Python, R, SQL, Java, Scala.
- **Technologies:** AWS, Airflow, dbt, Docker, Git, GCP, Kubernetes, Spark, PyTorch, Tableau, Tensorflow.

## EDUCATION

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- **Georgia Institute of Technology** Atlanta, GA  
*Master of Science in Computer Science; GPA: 4.0* Aug. 2022 – May 2024
- **State University of New York at New Paltz** New Paltz, NY  
*Bachelor of Science in Environmental Geochemical Science; GPA: 3.5* Aug. 2013 – May 2017