

## ANDREAS KEFALAS

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*Authorized to work for any US employer.*

### DATA ANALYST

Experienced Data Analyst with over 2 years of experience known for effectively resolving complex challenges and fostering team collaboration. Proficient in data cleaning, analysis, and visualization, with a strong background in statistical methodologies. Demonstrated ability to create impactful visualizations that illuminate critical insights. Accomplished in translating technical concepts into SaaS specifications. Versatile expertise spanning academia and entrepreneurship. Fluent in English, Spanish, and Greek

### SKILLS

- **Programming & Tools:** Python (pandas, numpy, SciPy), R (ggplot2, Matplotlib, Seaborn), Bash scripting, SaaS Products, MS Office
- **Data Manipulation and Visualization:** Tableau, PowerBI, Apache Superset and Spark, SPSS, NetworkX, Grafana
- **Cloud & Databases:** AWS (EC2, S3, Lambda, Lake Formation), Snowflake, SQL, PostgreSQL, AWS Redshift, Jenkins, Docker Containers, Cron, Kubernetes
- **Agile Environment:** Pivotal Tracker, Jira, Slack

### PROFESSIONAL EXPERIENCE

Tru Solutions, Remote

May 2023 - Present

#### Data Analyst

Analyzed data for energy projects, optimized operations, created data visualizations, and presented insights. Developed real-time data visualization dashboards using Apache Superset and Grafana, along with other industry-standard tools to enhance operational insights within the IT sector.

- Conducted data analysis for the oil rig and natural gas midstream pipeline industry, leveraging PostgreSQL expertise to significantly enhance operational efficiency.
- Developed real-time data visualization dashboards using Grafana, Apache Superset, and other industry-standard tools to enhance operational insights within the IT sector, streamlining data retrieval processes, and providing tailored insights.
- Automated API requests using Python scripts and Jenkins, enabling scheduled data retrieval and processing tasks to run automatically, while leveraging AWS Lake Formation to extract, store, and analyze large volumes of API data.
- Led the creation of a custom productivity dashboard, facilitating streamlined workflows, and further optimizing operations at a prominent energy facility, processing 120,000 barrels of crude oil daily for diverse heat and transportation products.
- Collaborated with cross-functional teams to ensure seamless integration of data-driven solutions, including SaaS products, tailored to the energy sector, and delivered stakeholder presentations enabling informed decision-making in the dynamic energy sector.

Tru Solutions, Remote

Aug 2022 – May 2023

#### Technical Project Manager

Managed projects and devised blueprints by collaborating with cross-functional teams, including Client Services and Product Development, to define project scope, objectives, and deliverables.

- Engineered a predictive churn model resulting in a 25% decrease in customer attrition and optimized data pipelines, reducing data processing time by 30% and contributing to quicker product updates.
- Consolidated all-in-one features such as device monitoring, ticketing, reporting, Cloud backup, and remote control. Deliver remarkable results, reducing service calls by 25% and on-site visits by 35% within the initial 2 months.
- Articulated wireframes, composed automation tool requirements, and proficiently oversaw multiple projects alongside their pipelines, encompassing ticket integration, QA testing, and proactive communication with top management.

CUNY Queens College, Queens, NY

Jan 2022 - Aug 2022

#### Quantitative Analysis in R Lecturer

- Developed lab assignments, evaluated homework and exams, provided feedback, offered guidance on improving code-writing skills, and taught a class of 25 students, aiding them in grasping key concepts, R package use, and executing coursework effectively.

CUNY Queens College, Queens, NY

Aug 2021 - Jan 2022

#### Scientific Research Assistant

- Processed and visualized large data volumes, established connections via NetworkX, automated tasks for a 40% reduction in manual work, and used Python and R for clustered environment visualizations and metadata analysis in scientific journals.

### EDUCATION

Masters of Arts (M.A.) in Data Analytics and Applied Social Research - GPA: 3.5/4.0

Aug 2021 - May 2023

Queens College, Queens, NY

Bachelor of Arts (B.S.) in Information Systems - GPA: 3.8/4.0

Aug 2013- Dec 2017

University of Missouri - Saint Louis, Saint Louis, MO

### HONORS / AWARDS

Queens College, **Scholarship recipient** 2021-2023

University of Missouri - Saint Louis Men's Basketball, **Scholarship recipient** 2013-2017

Dean's List for 4 semesters

### PROJECTS

NYC OPEN DATA - 311 Pre/Post Covid-19 Service Request Analysis

Jan 2023 - May 2023

- Extracted and modeled data from a 9 million-row, 13-year-old dataset, conducting comprehensive analysis with R, including regression testing, correlation analysis, and A/B testing methodologies, and created visualizations using the mapPluto R library to understand service request patterns across New York City's five boroughs.
- **Open-Source Contributions on GitHub**  
Contributed to open-source projects, including Apache Superset, by documenting existing issues and proposing solutions via sophisticated pull requests to enhance development functionality.