

Recent Data Engineering Bootcamp graduate with demonstrated job-readiness having built end-to-end data pipelines in Airflow, Spark, and BigQuery. Ready to support application backends and data-driven decisions with clean and responsive datasets.

Technical Skills

Languages: Python, SQL

Data Tools: Apache Airflow, Spark, dbt, Pandas, Google Sheets

Google Cloud Resources: Virtual Machines, BigQuery, Dataproc, GCS

Other: Linux, Git, Regex, Docker, Data Structures and Algorithms

Projects in 2025

Synthea Medications ETL Pipeline

github – geomap dashboard – statistics dashboard

- Cleaned and validated synthetic clinical data to visualize demographics in patient prescriptions
- Tripled pipeline throughput with parallel orchestration using Dynamic Task Mapping in Airflow
- Scaled data cleaning and schema validation with distributed processing using a Spark cluster on Google Cloud
- Increased analytics responsiveness with a properly partitioned and clustered fact table in BigQuery and dbt

Fitbit Biometrics ETL Pipeline

github – biometrics dashboard

- Developed a personal health monitoring pipeline with data from the Fitbit wearable API
- Automated fast & consistent pipeline deployment to a Google Cloud VM with Terraform Infrastructure-as-Code
- Visualized biometrics to identify hidden patterns in sleep, heart health, and exercise

Energy-Usage vs Weather Analysis

github – energy-weather dashboard

- Cleaned and merged 5 years of ComEd electricity usage with Meteostat weather datasets
- Quantified weather's impact on electricity usage in a Streamlit dashboard to prepare for an HVAC upgrade

Education and Certifications

● **Certified in Building Data Pipelines**

DataTalks.Club Data Engineering Bootcamp

● **Certifications in the Data Analysis Path**

Dataquest.io

● **Bachelor of Science in Computer Science**

University of Illinois at Chicago

- *Software Engineering Concentration*

Timeline

Transition into Analytics Engineering and Data Engineering

2020–present

- Completed the Datatalks.club Data Engineering Zoomcamp with the 2025 Cohort (Jan-Apr)
- Studied Python, Pandas, Linux, GIT, and SQL with [Dataquest.io](#) learning tracks
- Mentored in Data Structures & Algorithms by a Google Software Engineer
- Studied Advanced SQL techniques through [Mode](#)

Professional Heroes of the Storm Shot-caller & Coach

2014–2020

- Led a team to victory in weekly ESL tournaments, earning prize money
- Shot-called for hundreds of professional matches
- Coached an amateur team that went on to place well in their own professional division
- Built hero and player performance datasets, driving data-informed shot-calls.

sample_analysis