

OLAMIDE IYELOLU

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EDUCATION

Depaul University

Master of Science in Computer Science, GPA: 3.90

Chicago, IL

December 2027

Oral Roberts University

Bachelor of Science in Computer Science, GPA: 3.82

Tulsa, OK

May 2025

Relevant Coursework: Database Systems, Data Engineering, Distributed Systems, Software Engineering, Probability & Statistics, Data Structures & Algorithms

Organizations & Awards: ACM Club Secretary, Quest Leader Scholarship, National Society of Black Engineers, ColorStack, Codepath

SKILLS

Languages: Python, SQL, Scala, JavaScript

Data & Analytics: Pandas, Apache Airflow, Apache Spark, Excel, Data modeling (dimensional modeling), ETL / ELT pipelines, Data Visualization, Data quality checks, Version control, Tableau, Power BI, REST API

Databases & Cloud: PostgreSQL, MySQL, Snowflake, AWS (S3, EMR Serverless), GCP (Cloud SQL)

DevOps & Collaboration: Docker, Git/GitHub

PROJECTS

Citi-Bike ELT Pipeline – github.com/olamideiyelolu/Citi-Bike-ELT

December 2025

- Built a scalable **ELT pipeline** to support stakeholder analytics, processing **35M+** records and designing end-to-end data flows from raw ingestion in **AWS S3** to curated **Snowflake** models with clearly defined transformation stages.
- Improved data usability and standards compliance, achieving a **26%** reduction in analytics-layer storage, by **modeling** data into a dimensional **star schema** using **dbt** and applying **data governance** principles during data model design.
- Orchestrated modular data workflows in **Apache Airflow** to ensure reliable scheduled runs, using pipeline outputs to create a **Tableau** dashboard that enabled clear visibility into key data trends.

EPL Pipeline – github.com/olamideiyelolu/EPL-pipeline

September 2025

- Engineered an automated data pipeline using **Python**, and **Apache Airflow** to ingest, clean, and **normalize** player metrics, incorporating error handling and retries to ensure reliable scheduled data collection.
- Improved data reliability prior to storage by implementing schema enforcement, validation logic, and normalization checks before landing processed data in **AWS S3**.
- Developed an **analytics-ready** data model by transforming raw player data into a fact–dimension schema using **Pandas** and **PostgreSQL**, reducing query complexity for downstream analysis.

EXPERIENCE

Computer Science Researcher – Oral Roberts University ~ Drone lab

September 2024 – December 2024

- Utilized research skills to collect, clean, and maintain research datasets in **Excel** to support comparative analysis of AI-powered drone platforms, enabling structured, data-driven research decisions.
- Designed structured **datasets** and derived key performance metrics, including battery efficiency and cost-to-performance ratios, to facilitate data-driven decision-making for final platform.
- Conducted stakeholder analysis and supplier engagement with **5+** vendors to evaluate long-term sustainability factors, resulting in the successful procurement of an optimized AI development platform.

Technical Support Specialist – Oral Roberts University

August 2022 – May 2023

- Reduced system downtime by resolving **60+** technical issues including software installations, configuration **troubleshooting**, and workspace setups for students and faculty.
- Provided technical support to **50+** users via email, phone, and in-person channels, reducing recurring issues through clear documentation and user training.
- Increased IT service engagement by **20%** by testing and supporting deployment of comprehensive technology resource website, improving software adoption and accessibility.