

# Zeid Ombotimbe

+223 91568547 |  zobtbe@gmail.com |  [LinkedIn](#) |  [GitHub](#) |  [Website](#)

## SKILLS

**Data Engineering & Big Data Processing:** Python, PySpark, dbt, Airflow, Snowflake, BigQuery, Kafka, Docker,, SQL (T-SQL, PostgreSQL), Databricks (GCP + Azure), Git  
**Programming & Systems Languages:** Julia, Scala, C++  
**Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Plotly, Streamlit, Tableau, Power BI, Looker  
**Machine Learning & Statistical Modeling:** Scikit-learn, XGBoost, Gradient Boosting Methods, PyTorch  
**Research & Professional Skills:** Collaborative Research, End-to-End Project Ownership, Proactive Problem-Solving, Technical Documentation

## EXPERIENCE

### [PERASUS](#) | Data Consulting, Insurance & Banking, Retail, Telecom

**Data Engineer** - Data Platform & Analytics *Jul 2024 – Dec 2025, Bamako, Mali*  
Platform Engineering, ETL/ELT Automation, Real-time Data Infrastructure

- **Real-time Data Pipeline Development:** Built and maintained data pipelines using Azure Data Factory and PySpark to process millions of daily mobile transactions into Snowflake, enabling operational dashboards with under 15 minutes of data latency for a telecom client.
- **Cloud Data Migration & Modernization:** Migrated legacy insurance claims data to Snowflake by designing data models, developing reliable SQL and dbt transformations, and automating Power BI dataset refreshes, cutting report generation time from hours to minutes.
- **Batch ETL & Database Management:** Developed scheduled Azure Data Factory pipelines to consolidate daily sales and inventory data from 14 retail locations into a centralized PostgreSQL database. Implemented partitioning and indexing to improve dashboard query performance.
- **Data Quality & Performance Engineering:** Created reusable Python validation frameworks to catch data issues before they affected reports. Optimized PySpark jobs in Azure Databricks through memory tuning and query improvements, reducing average job runtime.

**Data Analyst** - Business Intelligence *Jul 2022 – Jun 2024, Bamako, Mali*  
Financial & Operational Analytics, Dashboard Development, Process Improvement

- Analyzed multi-channel sales data (web, mobile, retail) to identify underperforming product categories and regional trends. Built a Tableau dashboard for the marketing team that correlated promotional spend with revenue impact, directly informing the Q4 campaign strategy.
- Developed weekly performance reports tracking transaction volume, user growth, and agent network activity from a Snowflake data warehouse. Automated the distribution of these reports via email, saving the operations team over 10 hours of manual work each week.
- Investigated a 15% quarter-over-quarter increase in auto claims by geolocation and driver demographics. Created a Power BI dashboard with interactive maps that identified three high-risk postal codes, leading to a revised premium model.
- Analyzed on-time performance data against maintenance and routing schedules for a major airline client using Python, identifying key operational predictors of flight delays.

### [DATA CREATIVE](#) | SQL, and Power BI Training

**Instructor** *Jan 2023 – May 2024, Remote*  
Technical Training, Data Analytics, and Professional Development

- Delivered interactive, live training sessions in SQL, and Power BI to over 60 learners, including beginners, intermediates, and advanced corporate and early-career professionals, achieving an average instructor rating of 4.7 stars across three courses.
- Designed and facilitated hands-on, real-world exercises and modern course materials tailored to diverse audiences, enhancing participants' practical skills in data analysis, querying, and visualization.

## EDUCATION

### **UNIVERSITY OF THE PEOPLE**

*Bachelor of Science (B.S.), Computer Science*  
Expected Jun 2026 | Pasadena, CA  
CGPA: 3.37/4.0

## CERTIFICATIONS & AWARDS

### **InteRussia STEM Specialists Fellowship (The Gorchakov Foundation)**

Selected international fellow in a competitive STEM innovation program. Completed a 4-week intensive [workshop at Skoltech](#), specializing in interdisciplinary prototyping and applied research. Co-developed a bio-inspired drone with computer vision for avian collision prevention, integrating concepts from aerodynamics, real-time image processing, and autonomous systems. | Sep 2025 | Moscow, Russia

### **Google Advanced Data Analytics Certificate**

A comprehensive program covering machine learning, data cleaning, visualization, and statistical analysis to solve real-world problems | Google | Dec 2024 | Online via Coursera

### **Data Skills for All (DS4A) certificate**

Completion of an 8-week program preparing fellows for data-driven roles, Awarded [Outstanding Community Citizenship](#) for significant contributions to the learning, growth, and community culture of the DS4A Program | Correlation One | Dec 2023 | Online

## COURSEWORK

Data Structures & Algorithms  
Applied Statistics  
Linear Algebra  
Differential Equations  
Data Mining  
Discrete Mathematics  
English Composition  
Calculus 1 & 2

## INTERESTS

Research • Traveling • Fitness • Nutrition • Horses • Open-source • Self-improvement