

ADZUIRA MUSULE PALACIOS

Data Analyst & Chemical Engineer

📞 650-215-8959 ✉️ admusule@gmail.com 📍 Murrysville, PA 🌐 musule.com



SUMMARY

Certified junior data analyst and chemical engineer with over 3 years of experience in data analysis, quality assurance, and operational efficiency improvement. Proven track record in streamlining workflows, resolving defects, and enhancing process prediction accuracy. Seeking to leverage analytical and engineering skills to support strategic decisions and drive process optimization.

WORK EXPERIENCE



Environmental Analyst

Eurofins Scientific

📅 01/2023 - 08/2024 📍 Pittsburgh, PA

- Streamlined workflow by analyzing lab data and recommending efficiency improvements to meet deadlines and goals.
- Enhanced process prediction accuracy through regression modeling in partnership with QA.
- Executed ion and gas chromatography analysis, including preparation and reporting.
- Managed laboratory instrument maintenance and troubleshooting.



Quality Assurance Engineer

United States Steel

📅 04/2022 - 08/2022 📍 West Mifflin, PA

- Managed steel coil release for delivery and coordinated rework of production defects.
- Partnered with global stakeholders to effectively resolve ongoing operational challenges.
- Conducted hands-on quality assurance through laboratory testing.
- Identified and addressed root causes of production defects using process data analysis.



Research and Development Intern

American Beef S.A. de C.V.

📅 10/2019 - 01/2020 📍 Chihuahua, Mexico

- Supported R&D initiatives through new product development and existing product variation testing.
- Engineered and tested innovative manufacturing processes within the pilot plant environment.
- Developed statistical reports for executive and stakeholder decision-making.



Logistics Project Engineer

Grupo Bogard

📅 09/2018 - 06/2019 📍 Veracruz, Mexico

- Developed budget reports and managed expense planning across multiple projects.
- Streamlined budgeting by designing and implementing internal financial databases, resolving prior budgeting errors.
- Wrote documentation on engineering projects across the country.

LANGUAGES

English
Proficient



German
Intermediate



Spanish
Native



CERTIFICATIONS

Google Data Analytics Professional Certificate

Certificate issued 4/8/2025

SKILLS

Data analytics Data cleaning

Data visualization R Programming

Data-driven decision making SQL

Spreadsheets Chemical and Industrial Engineer

EDUCATION

M.A.S. Industrial Technology and Operations

Illinois Institute of Technology

GPA
4.0 / 4.0

📅 08/2020 - 05/2023

- Specialization in Manufacturing Technology and Industrial Sustainability

Bachelor's Degree Chemical Engineering

Universidad Veracruzana

GPA
93 / 100

📅 08/2014 - 01/2019

Technical Degree Computer Programming

CBTIS No. 79

📅 08/2011 - 07/2014

ADDITIONAL PUBLICATIONS

Cyclistic: A Case Study

Google Data Analytics Capstone Project

Adzaira Musule Palacios

📅 04/2025 🔗 musule.com/cyclistic.pdf

Data analytics case study

Solid State Chemistry Research

University of Texas at Dallas

Khan et al. (2018)

📅 08/2018

🔗 <https://pubs.acs.org/doi/10.1021/acs.cgd.8b00868>

Collaborated on a project on the synthesis and characterization of alloys using rare-earth elements.