

EFGHENE OROH

Edmonton, AB | (587) 385-8300 | EfeogheneOroh@gmail.com | www.linkedin.com/in/efe-oroh/

EDUCATION

University of Alberta

Edmonton, Alberta

Bachelor of Arts, Economics

- **Relevant Coursework:** Data Analysis with SAS, Python and R, Economic Forecasting, Energy Economics
- First Class Academic Standing (GPA >3.5)

EXPERIENCE

Government of Alberta, *Junior Economist* | *Power BI, R, SQL*

May 2024 – Present

- **Owned the full data analytics lifecycle** for a Labour Market Insights Power BI dashboard—requirements gathering, data modelling, Power BI visualization, and stakeholder delivery on a **45M-row dataset**.
- Led advanced R & SQL-based analysis on the impact of migration on Alberta's labour market; automated monthly data pipeline, reducing reporting time from 1 month to a single execution (**~95% reduction**).

Government of Canada, *Junior Economist* | *Power BI, R, Python*

Jan 2024 – May 2024

- Built a **Power BI dashboard**, offering real-time, web-scraped emission source mapping and ensuring 3 years of analytical value for the team.
- Spearhead one of seven segments on a Prairie economy analysis with R for the CIIT binder to the **Prime Minister**

Microsoft, *Unpaid Enterprise Sales Intern* | *Python*

May 2023 – Aug 2023

- Analyzed Nigeria's top 4 banks, creating market trend visualizations used to support cybersecurity solution positioning for the sales team.
- Organized and hosted a high-impact 400+ attendee technology event addressing AI bias and ethical AI adoption, coordinating speakers and program delivery.

Deloitte Consulting, *Data Science Intern* | *R, Tableau, SQL*

May 2022 – Aug 2022

- Performed customer churn analysis for a \$12.41 billion telecommunications company, **exploring user behaviour patterns**, automating data pipeline for 400k+ rows, reducing manual reporting time by 94%.
- Developed a forecasting churn for a telecommunications company by creating a machine learning model that exceeded churn risk identification goals by 10%.

PROJECTS

Canadian Electricity Generation Analysis | *R, API, Electricity Market Intelligence*

- Analyzed how Alberta's electricity market dispatch system influences emissions and mid-hour **pool prices**, finding that higher cost generators increasingly set prices as demand approaches system capacity.

Canadian Crude Trade Vulnerability Analysis | *R, API, Energy Market & Trade Analytics*

- Analyzed how vulnerable Canadian crude prices are to shifting trade and tariff conditions, finding that export dependence and transportation constraints significantly influence pricing exposure.

Pipeline, Shipment & Royalty Revenue Intelligence Dashboard | *R, API, Energy Market Intelligence*

- Examined how pipeline capacity and shipment patterns affect Alberta royalty revenues, finding that infrastructure bottlenecks can materially impact energy related economic returns.

Industry Reports Automation | *R, Data Pipelines, Automation*

- Automated data pulling and report generation for **18 industries** processing **2M+** rows of data.

SKILLS

Software Tools: Python, R, SQL, SAS, Tableau, Power BI, Power BI Service (Admin), DAX, Power Query, Statistics, ETL, Databricks, API, Git Version Control, A/B testing, Data Analytics, Prompt-Engineering.