# Zohair Omar

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**Role-Specific Portfolio:** zohairomar.netlify.app/for/precision-drilling/data-analyst-intern

## Summary

4th Year Computer Science & Mathematics student @ UofC (transferred from UBC) building analytics solutions with **Python, SQL, and Power BI** for operational datasets. Strong in **data validation/cleaning, reporting table design, and documentation** (data definitions, mapping logic) to deliver consistent, analysis-ready data. Interested in **Precision's Alpha** because it applies data, automation, and smart algorithms to reduce well cost and risk through reliable operational reporting. Demonstrated ability to being **detail-oriented, results-focused, and learning new systems carefully** while collaborating across stakeholders under deadlines.

## Technical Skills

**Analytics:** Python (Pandas, NumPy), SQL, exploratory data analysis, data wrangling, QA checks
**BI & Reporting:** Power BI (Power Query, DAX), KPI design, dashboards, reporting tables/data models
**Cloud & Data Access:** Azure AD (OAuth2), Microsoft Graph API, SharePoint, Power Automate
**Delivery:** requirements gathering, data definitions, mapping logic documentation, Git, CI/CD (GitHub Actions)

## Education

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| **Bachelor of Science, Computer Science & Mathematics (Minor in Economics)** | Expected April 2027 |
| University of Calgary, Alberta | |
| **Bachelor of Science, Computer Science** | Sep 2022 – Sep 2024 |
| University of British Columbia, Vancouver | |

*Relevant Courses:* Applied Machine Learning (CPSC 330), Introduction to Data Science (R), Data Structures & Algorithms

## Projects

**Oil & Gas Asset Integrity Dashboard**; Power BI, SQL Server, Power Query, DAX

- Designed **reporting tables and a clean data model** to consolidate integrity/compliance KPIs across **24 months** of operational data into a single reporting structure.
- Built Power BI reports with drilldowns and stakeholder views; implemented **data validation checks** (missing values, duplicates, range rules) to improve integrity before analysis.
- Documented **data definitions and mapping logic** for KPIs (assumptions, joins, refresh rules) so metrics stayed transparent and consistent for decision-making.

**Production Analytics & Forecasting Dashboard**; Python, Pandas, Streamlit, SharePoint, Azure AD (OAuth2), Microsoft Graph API, Power Automate

- Built an end-to-end workflow that **cleans, validates, and standardizes** multi-well production data (2008–2016) into an **analysis-ready dataset** for reporting and trend insights.
- Implemented reproducible transformations and QA checks in Python (type checks, null handling, outlier flags) to keep datasets **accurate and consistent** as inputs change.
- Integrated SharePoint data access using **Azure AD (OAuth2)** and **Microsoft Graph API**; automated scheduled report delivery with **Power Automate** to reduce manual reporting effort.

## Experience

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| **TechNova** | Feb 2025 – Present |
| *Co-Founder & VP Technical*; Python, SQL, Power BI, Git | Calgary, AB |

- Gathered reporting requirements across stakeholders and translated needs into **reporting tables, KPI definitions, and dashboard views** to improve accessibility of operational information.
- Built data-backed functionality using **Python and SQL**; validated outputs with structured checks to ensure **reliable, analysis-ready** results.
- Documented metric logic and data assumptions (definitions, refresh notes, edge cases) to keep reporting **transparent** as requirements evolved in a fast-paced environment.

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| **Agrius IT** | May 2024 – Jul 2024 |
| *Software Developer Intern*; Python, SQL, HTML/CSS, JavaScript | Abu Dhabi, UAE |

- Wrote and refined **SQL queries** to retrieve, validate, and reconcile operational data during incident troubleshooting; summarized findings for engineers and support.
- Updated SOPs with clear steps and validation notes, improving repeatability and supporting **faster resolution** of recurring data/system issues.

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| **Enactus UCalgary – WealthPath** | Jul 2025 – Present |
| *Front-End Development Lead*; Git, GitHub Actions, Agile/Scrum | Calgary, AB |

- Coordinated cross-functionally to capture requirements and ship features under deadlines; maintained delivery tracking, action items, and follow-ups with strong accountability.

- Implemented CI checks with GitHub Actions to reduce regressions and keep releases stable while iterating quickly with stakeholder feedback.