

# JONATHAN OLIPHANT

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Portfolio

## EDUCATION

### BYU-Idaho

Bachelor of Science; Data Science

Anticipated: April 2027

GPA: 4.0

## TECHNICAL PROFICIENCIES

- **Data Engineering and Warehousing**
  - Orchestrated ELT pipelines using DAGS in Airflow and dbt in Snowflake.
  - Converted RDBMS schemas to star/snowflake models.
  - Utilized APIs, MongoDB, and SFTP to ingest diverse data sources and applied agile planning to data engineering projects.
- **Data Wrangling & Visualization**
  - Cleaned and reshaped complex datasets using both Python and R.
  - Created visualizations with Matplotlib and R to communicate insights
- **Applied Linear Regression**
  - Performed complete regression analysis and model selection in R, checked and remediated model assumptions.
  - Applied ANOVA and ANCOVA as special cases of regression to identify key data relationships
- **SQL & Database Design**
  - Designed relational databases and analyzed datasets using advanced CTEs, subqueries, and joins.
  - Architected functional database schemas to solve diverse business problems and establish efficient structures.
- **Data Tooling & Package Development**
  - Built installable Python and R packages; documented and generalized code for open-source use.

## EXPERIENCE

### Brigham Young University - Idaho

Accessibility Specialist Team Lead; Rexburg, ID

September 2023 – July 2025

- Conducted thorough audits of university courses to ensure accessibility compliance, leading to the development of accessible video and document versions for diverse users.
- Met with other team leads to increase productivity and morale of employees in the office.
- Trained new hires on accessibility principles and overall workflow.
- Worked with AI to build Scripts using JavaScript and increased efficiency of the team.

## TECHNICAL SKILLS

- Data Engineering: Airflow (DAGs), dbt, Snowflake, EtLT, Star/Snowflake Schemas, API Ingestion, MongoDB.
- Languages and Libraries: SQL, R (ggplot2, dplyr), Python (Pandas, NumPy, Matplotlib).
- Analysis & Visualization: Tableau, Excel, Regression Analysis, ANOVA.
- Tools & DevOps: GitHub, VMs, Terminal Navigation, AI-Assisted Development, AWS