Theodore Caulton, M.A.

[GitHub](#) | [LinkedIn](#) | [Portfolio](#)

EDUCATION

Miami University - Master of Arts | Economics – 2021-2022
Miami University - Bachelor of Science | Economics – 2018-2022
Cumulative University GPA – 3.96
University Honors Program and Business Honors Program

WORK EXPERIENCE

Sparq – Senior Data Engineer   **Oct 2024-Present**
- Data Engineer leading delivery of cloud modernization engagements with Snowflake, Azure, AWS to create fast and cost-effective methods of data delivery.
- Sales engineer responsible for scoping engagements and assisting in securing client work.

Sparq – Data Engineer   **May 2024-Oct 2024**
- Data Engineer at Microsoft Casual Games building end to end data pipelines for all HTML games
- Engineered fast and cost-effective delivery of telemetry data to enable fast decision making
- Reduced pipelines costs by 93% and execution time from 24 hours to 45 minutes

Hakkoda – Data Engineer   **Oct 2022-May 2024**
- Data scientist responsible for leading data engineering and data science client initiatives.
- Architected and led development of orchestration software to migrate data to 100s of Snowflake accounts while auditing for data cleanliness and completion.
- Architected solution and led team of engineers in the development of data science models in healthcare and their deployment in Streamlit for consumption.

DAS42 – Associate Analyst   **June 2022-Sep 2022**
- Full stack data engineer skilled in airflow, snowflake implementation, BI tools (Looker, Tableau), Python and SQL. 50% of firm laid off due to reduction in force (RIF) measures.
- Built Airflow DAG to automate checking incoming data for correct formats and correcting errors before insertion in Snowflake.

OPEN-SOURCE CONTRIBUTIONS

SnowMonitor
- Streamlit application developed with the Snowpark API that enables UI based creation, management and debugging of Snowflake alerts.
- allows firms of any size to manage their portfolio of Snowflake alerts without advanced knowledge of SnowSQL queries.

Snowpark Utilities
- Open-Source Python packages that enables fast setup and more readable Snowpark code.
- Downloaded by 50 users a month to be used in data science and engineering.

CERTIFICATIONS, SKILLS & AWARDS
- AWS Cloud Practitioner – March 2024
- Snowflake SnowPro Core Certification – July 2024
- Hart-Noble-Hall Award in Macroeconomics by Miami University – May 2022
- Python, SQL, Snowflake, Azure, AWS, Databricks, Spark, Streamlit, OpenAI

EXTRACURRICULARS & ACADEMICS

Summit Ski Patrol – Alpine Patroller   **June 2024-Present**
- Alpine ski patroller at the Central Ski Patrol certified in Outdoor Emergency Care (OEC)

Miami Business Consulting – Lead Consultant and President   **Nov. 2018-Nov. 2021**
- Responsible for full operation of a 40-member club involving client acquisition, employee training and professional development opportunities for members.
- doubled revenues two semesters over and integrated HubSpot CRM and electronic signing software into client outreach.