

# Theodore Caulton, M.A.

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## EDUCATION

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**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 – Director of Data Engineering**

**March 2025-Present**

- Responsible for setting and leading the direction of the data engineering practice at Sparq
- Mentored Engineers, scoped and staffed projects and provided guidance to leadership on how to grow the practice

### **Sparq – Lead Data Engineer, Solution Architect**

**May 2024-March 2025**

- Engineered telemetry data at Microsoft Casual Games to enable fast decision making. Reduced pipelines costs by 93% and execution time from 24 hours to 45 minutes
- Lead migration of legacy SQL Server system onto Snowflake data architecture utilizing ADF and DBT, reducing yearly spend by \$165,000
- Personally deployed AI model for code development and testing, completing migration work in 1/3 of the time and saving client \$2.5M in operational costs
- Orchestrated Snowflake migration internally and acted as admin responsible for managing RBAC

### **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.

## OPEN-SOURCE CONTRIBUTIONS

### **Snowpark-Utilities**

- Developed and published Python package that enables fast connections to Snowflake via Snowpark
- Library contains functionality to execute code in Snowflake in a more legible and faster manner than vanilla Snowpark
- Downloaded by 250 users a month

## 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, Spark, Streamlit, OpenAI, DBT, Terraform, DataBricks

## EXTRACURRICULARS & ACADEMICS

### **Summit Ski Patrol – Alpine Patroller**

**June 2024-Present**

- Alpine ski patroller at the Central Ski Patrol certified in Outdoor Emergency Care (OEC) and Outdoor Emergency Transport (OET)

### **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.