

Matt Trombley

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PROFESSIONAL EXPERIENCE

Shopify

Senior Data Scientist

November 2023 – Present

- Working on data science & analytics use cases to improve the storefront experience for Shopify's merchants and customers

Fidelity Investments

Principal Data Scientist

November 2021 – November 2023

- Overhauled data pipelines for measuring Fidelity platform service level agreements (SLAs), resulting in substantial cost savings of hundreds of thousands of dollars annually by mitigating client penalty payouts
- Proactively identified insider threat risks by constructing an advanced outlier detection model that integrated diverse data sources, allowing for timely action to prevent potential damage to the company

Senior Data Scientist

June 2019 – November 2021

- Performed topic modeling on a vast collection of financial documents including 10-Ks and 10-Qs and integrated the results into a comprehensive knowledge graph, facilitating efficient retrieval of relationships
 - Developed end-to-end automated extract-transform-load (ETL) pipelines leveraging web scraping techniques for proprietary research, resulting in the generation of valuable intelligence and contributing to tens of millions of dollars in trading profits
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EDUCATION

Master of Science in Analytics

May 2019

Institute for Advanced Analytics, North Carolina State University, Raleigh, NC

Bachelor of Science in Mathematical Sciences, *magna cum laude*

May 2018

Clemson University, Clemson, SC

SKILLS

- **Programming:** Python (pandas, NumPy, scikit-learn, Flask, Beautiful Soup), R, SQL, HTML, CSS, PHP
 - **Databases:** BigQuery, Snowflake, PostgreSQL, Microsoft SQL Server
 - **Cloud:** Google Cloud Platform (GCP), Amazon Web Services (AWS), DigitalOcean
 - **Visualization:** Looker Studio, Microsoft Power BI, Tableau, R Shiny
 - **Other:** Machine Learning (ML), AI, Airflow, Google Analytics, Jenkins, Git, Web Scraping
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PROJECTS & CONSULTING

Data Analytics & Visualization Consultant

August 2022 – Present

- Spearheaded a comprehensive Power BI executive dashboard for a nationwide transportation client tracking vital financial & operational metrics across diverse business units, enhancing performance management for C-Suite executives as the first major company analytics project
- Provided data-driven solutions for critical business needs, including SQL query optimization and data quality assurance, driving informed decision-making and operational efficiency

Sideline Sprint

December 2020 – March 2022

- Co-founded and led the development of a daily sports email newsletter with a dedicated readership of over 12,000 subscribers
- Designed and developed the website, email templates, production databases, and bespoke referral program, ensuring a seamless user experience and reliable content delivery

Putnam Investments Practicum, North Carolina State University

August 2018 – May 2019

- Analyzed touchpoints between Putnam Investments and a vast network of 300,000 industry financial advisors who invest in Putnam's products to discover patterns and insights from the data, enabling a deeper understanding of advisor behavior and preferences
- Collaborated on a predictive dashboard that utilized advanced analytics techniques to recommend the financial advisors with the highest potential for engagement and investment