

ALEX MCGRAW

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EXPERIENCE

Slalom Consulting – Consultant (Data Science/Engineering); Chicago, Illinois **January 2023 - Present**

- Scope a generative AI project for a major pharmaceuticals company, to help multiple finance teams with developing presentation support material for the C-suite, and Q&A over hundreds of various financial documents
- Build a generative AI POC using modified Langchain and Llama-index code, OpenAI models, and Azure platform, for users to query a corpus of hundreds of source documents and receive insights from various economic reports
- Analyze data discrepancies between the client's legacy call routing tool and the newly implemented Salesforce tool using SQL, to ensure that the data migration between the tools is a one-to-one match

Slalom Consulting – Associate Consultant (Data Science/Engineering); Chicago, Illinois **June 2021 - January 2023**

- Wrote, tested, and productionalized 11 machine learning models alongside two other data scientists using Azure for a Fortune 50 company. Models helped business account leads identify churn risk level of current clients, who to pursue, and has projected returns of more than \$200 million over three years
- Developed three batch data pipelines and statistical models in Python to detect key metric incidents for a Fortune 50 technology company, with the production leveraged Docker, Kubernetes pods, and Airflow DAGs. This led to a decrease in response times to incidents and decrease in missed anomalies by the client's team
- Utilized git for codebase and environment management, and code reviews, which helped formalize the team's development and production process for seamless code updates

DATA SCIENCE PROJECTS AND CONTRIBUTIONS

Llama-index/Llama-hub Open Source Contributor **Winter 2023**

- Contributed code to Llama-hub to make connections to Azure blob storage more robust and avoid credential errors
- Enhanced functionality of the PDF Reader class from llama-index, giving users more control over document structure

Graduate School Capstone Project – CDW, Ecommerce Team; Austin, Texas **Spring 2021**

- Built a mixed-model product recommendation system with four other students, based off varying datasets such as clickstream and customer data, to increase revenue from online sales by 1%
- Managed project scope and expectations between the student team and business stakeholders, while communicating the state of the project and clarification of different components

LEADERSHIP EXPERIENCE AND ACTIVITIES

Intern Manager **June 2022 – August 2022**

- Developed a summer project for an intern, which he then presented to the summer cohort and Slalom management
- Set a weekly cadence of meetings in which I checked in on his progress, answered questions, helped him get an understanding of Slalom as a business, connect him with others in the practice, and other ad hoc tasks

Team USA Acrobatic Gymnastics -- Athlete **April 2014 – April 2016**

- Competed in two World Championships, placing 6th and 9th in France and China, respectively

TECHNICAL SKILLS

- **Computer Languages/Software:** Python, Pandas, NumPy, Sklearn, SQL, Azure, AWS, GCP, Docker, Git, and Langchain
- **Certifications:** AWS Certified Cloud Practitioner, Databricks Certified Machine Learning Associate

EDUCATION

The University of Texas at Austin **May 2021**
Master of Science, Business Analytics

Texas State University **May 2020**
Bachelor of Business Administration, Finance (French Minor)