ALEX MCGRAW

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EXPERIENCE

Slalom Consulting – *Consultant (Data Science/Engineering)*; Chicago, Illinois   **January 2023 - Present**
- Scope a generative AI project for the economics team of a major pharmaceuticals company, to save each team member multiple hours per week of reading through hundreds of economic documents
- Build a generative AI POC using Langchain, Llama-index, custom functions, OpenAI models, and Azure platform for users to query and receive insights from the corpus of source documents. Expedite the team's analysis so they can focus on where their skills have the largest impact: helping the company best position itself to prepare for the future
- Analyze data discrepancies between a 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)