**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)