

ChatGM: Personalized LLM for Fantasy Football

Client

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Background

I am an active-duty Army Officer, MBA, PMP, and a graduate student in the Space Resources program here at Mines. I also led a Field Session team last year, where we learned a ton about practical applications of Large Language Models. After another year of developments in the field, I have a refined vision for an LLM application, and I need some technical help from some CS students.

Project Goals:

The objective is to develop a system that enhances the responses of a large language model (LLM) by incorporating external information for more informative, accurate, and contextually relevant outputs. The system aims to provide personalized fantasy football advice. The project will involve:

- Building a database optimized for an LLM retrieval system, including fantasy football stats, player/team information, etc.
- Integrating open-source models to efficiently query the database based on user inputs
- Integrating with existing LLMs to generate personalized, contextually appropriate responses
- Implementing a user-friendly chatbot interface

Suggested Team Size:

2-4 students

Benefits for Students:

This will be a highly creative startup experience, giving you the chance to learn, explore, experiment, and iterate with some of the most cutting-edge practical applications of LLMs. You will have a significant role in shaping the deliverables, and it will be a really cool opportunity to delve into advanced uses of LLMs and their potential commercial use cases.

Location of Work:

Completely remote

Note: Students will be required to sign an NDA and all intellectual property developed as part of this project will belong to me.