

Company Background:

AI Arrive is an artificial intelligence company with the vision to create AI products that accelerate research and enhance our understanding of human disease. AI Arrive partners with pharmaceutical clients to greatly accelerate R&D and drug development efforts by helping clients to make go/no-go decisions, prioritize drug targets, and uncover the mechanism of action (MoA) for drug targets. *DiseaseScribe* enables researchers to visualize and understand their competitive therapeutic landscape in context with the *Diseaseome*.

Team Size: 4-5 Students

Location: Remote, client/team meetings will be held with Zoom.

Project Summary: AI Arrive would like to develop a feature of *Disease Scribe*, an *FDA drug approval LLM agent* that extracts information from FDA website for drug approvals for a specific disease (using tools like Langchain and duckduckGo), and publications that are relevant to specific therapeutics, as well as identifies the mechanism of action (MoA) if available from the biomedical literature and stores the extracted information in a Firestore database. Along with the extracted information the team will provide an agent that can ‘chat’ with the extracted publication and classify the therapeutic to disease and biomedical pathway. This will be a tool to help researchers explore their competitive therapeutic landscape.

Key Skills/Technologies: A background in LLM agents, AI/ML, NLP, web scrapping and backend (Firestore) would be beneficial for this project. The team can seek guidance from the client.

Student Benefits:

- Freedom to develop a creative solution to the problem.
- Future paid internship opportunities
- Build leadership skills by seeing the project through to completion.
- Opportunity to work on a project that is high impact and can make a difference

Contact Information:

- Dr. Michelle Archuleta, Founder & CEO AI Arrive: marchu0399@gmail.com
(303)-218-8507