

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 identify relevant biomedical literature using the context of 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*, a *Disease Gene LLM agent* that identifies and extracts biomedical abstracts and literature for Lupus (SLE) and ingests them into a Firestore ‘diseaseome’ database and then further identifies Lupus susceptibility genes and ingest them into an existing gene-KEGG database. The team will then be able to visualize the ingested publication on the diseaseome and KEGG network visualization. This will be a tool to help researchers explore the diseaseome and understand identify the most relevant publication that pertain to their therapeutic mechanism of action.

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