**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 the *Diseaseome* to understand the relationship between diseases and associated variant genes, and cellular pathways using the context of the biomedical literature.

**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, TwitterFeed_Diseasome* visualization tool whereby a researcher exploring the 'Diseasome network' will see a social media feed of the relevant publications that correspond to the zoomed in view of the network and then dynamically change as an end-user explores the network. The 'diseasome' was first published by Goh in 2007 as a network of disorders and disease genes linked by known disorder-gene associations. https://archive.nytimes.com/www.nytimes.com/interactive/2008/05/05/science/20080506_DISEASE.html?_r=0 The end goals would be to provide 1) provide an interactive social media feed that is synchronized with exploration of the disease network, 2) provide a FDA drug approval social media feed that highlights nodes in the diseasome network. This will be a tool to help researchers explore the diseasome and the relevant biomedical literature.

**Key Skills/Technologies**: A background in frontend (Vue.js ) and network visualization tools (sigma.js and Gephi),) and backend (Firebase) 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**:
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