

Description of Contribution of Each Team Member

Shenyuan Pan (Team Leader)

- Scraped physician information from University of Chicago Medicine <https://www.uchicagomedicine.org/find-a-physician>.
- Generated user input testing data using OpenAI GPT-3 for model testing.
- Converted Mayo Clinic symptoms to embeddings using BERT models from Hugging Face.
- Identified symptom key words in unstructured text data using a BERT-NER model.

Akshat Argarwal

- Scraped website of Illinois Hospital <https://hospital.uillinois.edu/find-a-doctor>.
- Scraped Mayo Clinic website for diseases and symptoms <https://www.mayoclinic.org/>.
- Lemmatized and transformed data to maximize matches between Mayo clinic and physician collection.

Seth Cattanach

- Scraped website of Northwestern Medicine <https://www.nm.org/doctors>.
- Wrote functions to preprocess a user's query
- Retrieved and processed all of the Mayo Clinic diseases/symptoms, and calculated rankings for all of the possible diseases

Arindam Saha

- Scraped website of WebMD <https://www.webmd.com/>
- Created a UI
- Set up front-end physician information display

Jia Lin Cheoh

- Scraped website of Cook County Health <https://cookcountyhealth.org/about/physicians-directory>.
- Created the baseline model using Jaccard similarity to benchmark the expected performance of other models.
- Documentation on contributions of team members, novelty of projects.