Project Progress Report

Nikita Volynskiy - nikitav2 - nikitav2@illinois.edu

James Rockey - jrockey2 - jrockey2@illinois.edu

1) Which tasks have been completed?

Currently, we have been working on the interface for interacting with our application. We are working on creating a front end which allows users to upload their resume to our program. We have most of the front end finished with buttons that are mapped to the user being able to upload their resume, then execute their ranking, and visually see the output of the job descriptions ordered by ranking. We are working on making the page more appealing but we think that this will be done very soon. In addition, we have ensured that our UI is able to connect and display and read local data which should ensure that we have a pretty easy time to incorporate our actual results once we have them. In addition, we have also located a good job dataset which we are using to recommend to a given user based on their resume. We were able to find a Kaggle set that was able to show relatively different job descriptions within the technology industry which will allow us to really evaluate how effective our ranker is. This also means that we are finished with the data cleaning process and are ready to move on to the next step in our process.

 2) Which tasks are pending?

We are still working to finalize the actual ranking of job descriptions for our project. We have began to implement the ranking system utilizing TF/IDF to find job descriptions that match up with a given resume. We are pretty confident that

our data is formatted and scraped correctly so we believe most of our work will be on generating accurate results. Furthermore, we still have to create test datasets to monitor the performance of our retrieval system, and then compare the effectiveness utilizing different F-measures.

3) Are you facing any challenges?

We faced some challenges in coming up with a design for our UI and how the user was going to be able to interact with our recommender system. However, we were able to work as a team to figure out what an ideal UI would look like and collaborate on coming up with the best solution. We also faced challenges selecting our data set but finally stumbled upon something that was promising and it ended up working out for us. We also are still trying to completely grasp how the algorithm will work and the amount of information that we want to display to user once he asks for a recommendation.