Troll Finder: A Twitter User Portrait Analysis Tool
Team Name — FHYYY

1. What are the names and NetIDs of all your team members? Who is the captain? The captain will have more administrative duties than team members.

First Name	Last Name	NetID
Yixin(captain)	Shi	yixin10
Yuxuan	Wu	yuxuan54
Yiteng	Zhang	yiteng3
Haoran	Jiang	hj28
Fengyi	Zhang	fengyiz3

2. What is your free topic? Please give a detailed description. What is the task? Why is it important or interesting? What is your planned approach? What tools, systems or datasets are involved? What is the expected outcome? How are you going to evaluate your work?

   Design an Chrome extension to help users distinguish people who have a tendency of giving negative opinions. This should be approached based on analyzing their recent posts and trained text sentiment analysis system. Plus, Users can modify an adjustable threshold, which will be used to judge whether the following Twitter users will be individually marked as “biased”.

   This tool can be used to help users identify bot or trollers who are intentionally attacking other users or actively involving certain topics. Moreover, it can relieve the impact of cyberbullying when it is extensively used by twitter users.

   The application is a chrome extension.We will get user feedback from the system for evaluating.

3. Which programming language do you plan to use?

   Backend and Model - Python

Frontend - HTML+Javascript+CSS

4. Please justify that the workload of your topic is at least 20*N hours, N being the total number of students in your team. You may list the main tasks to be completed, and the estimated time cost for each task.

- Train deep model for sentiment analysis - 20 hours
- Backend service for running API and executing the model -20 hours
- Frontend chrome extension implementation 20 hours
- Model performance improvement 20 hours
- Data crawling and clean 20 hours