

Project Proposal

I. Team Information

This will be an individual team.

Project Name: Individual

Project Topic: 2.2 ExpertSearch System

Team Member: Xiang Wang (xiangw3@illinois.edu)

Project Leader/coordinator: Xiang Wang

II. Details

Brief idea: I have chosen to work on the ExpertSearch System. I would like to write a **my own version** of the ExpertSearch System, and the system will have functions includes: a **website** supporting search functions, a **database** filled with crawled data from testing university, and a **new function to support automatically crawling data from a given university**.

Usefulness demonstration: If anyone ever need to quickly look up a professor, this website will save them time from search themselves, and the new function will make the whole website live, because it expands over time and will be improved every time a user use it.

About tools: I would like to use **python** for backend, and **mysql** for database. I do not have an idea about search algorithm yet, but I will have it figured out soon.

How to show my function work as expected: My plan includes adding a new function, and I crawl some data (university faculty info) as my test data and test them against my function.

About time: I think building the website, from front end to back end will take at least 15 hours, build the new function will take 10 hours, and testing and other stuff will take 10 hours. Together they are about 35 hours.

About timeline: By week 12: Have the website ready.

By week 14: Have the new function ready.