

**Project Title:**

Find your H1B!

**Project Summary:**

This project aims to help international students find companies that would sponsor H1b and help maintain their visa in the U.S. Users will be assigned with different roles and they can change or make suggestions to the website info. We will make profit from the companies that would be their company to be first company in user search result.

**Description of an application of your choice.**

International students spend a lot of time finding a job but it would not be worth it if the company did not even provide sponsorship. Our application allows users to find the company that provided sponsorship. We also encourage the community to help us build this website as we allow users to make changes to the data to ensure the data are up to date. Company could also

**Usefulness.** Explain as clearly as possible why your chosen application is useful. Make sure to answer the following questions: Are there any similar websites/applications out there? If so, what are they, and how is yours different?

There are numerous job search websites but as a group with four asian students, finding jobs with sponsorships is essential, which is inaccessible in most other job search websites. So we're trying to build a project targeting students seeking for H1B opportunity jobs.

**Realness.** Describe what your data is and where you will get it.

We collect data mainly from <https://www.myvisajobs.com/>. The details of data are shown below:

1. User Info
  - a. UserId
  - b. Name
  - c. Gender
  - d. Birth Date
  - e. Phone Number
  - f. Email
  - g. password
2. Company Info
  - a. Company Id
  - b. Company Name
  - c. job\_title\_id
3. TempRank
  - a. CompanyId

- b. Ranking
- 4. favorite
  - a. UserId
  - b. Company Id
- 5. Location
  - a. Company Id
  - b. zipcode
  - c. street
  - d. city
  - e. state
- 6. jobs:
  - a. job\_title\_id
  - b. job\_title

### **Description of the functionality that your website offers.**

Describe what data is stored in the database. (Where is the data from, what attributes and information would be stored?)

The user info will be stored and we will fetch H1B info data from open source dataset <https://www.myvisajobs.com> as described in the search, detail and company info section in realness. The website will have Company Name, Location and job title.

What are the basic functions of your web application? (What can users of this website do? Which simple and complex features are there?)

The user of this website is able to register and log in, with his information and stored company information collected from the main search page. In the main search page, the user can input his zip code and select job title so that we can help them find the most suitable jobs sorted by distance. The user can also add his favorite company info into his 'favorite' profile, where he can manipulate all the information based on his own interest. The detailed job descriptions are written in the realness section.

User Registration:

- 1.create account
- 2.sign in
- 3. update password

User Avatar:

- 1.User information

2.Search History Display

3.Favorites Display

a. delete favorite companies

Add to favorite:

1. add to "My favorite"
2. remove from "My favorite"

Search Page:

1. Search according to location or company name or job title
2. See detailed information of a company
3. Add one company to the users' favorite

Click Location:

1. detailed location info

What would be a good creative component (function) that can improve the functionality of your application? (What is something cool that you want to include? How are you planning to achieve it?)

We allow companies to put advertisements on our application so that they get more exposure to the user and we can keep our website running.

A low fidelity UI mockup: What do you imagine your final application's interface might look like? A PowerPoint slide or a pencil sketch on a piece of paper works!

Before users do search and after the login in, it will be like

Find your H1B!

All Companies Company Rank About Us



search here (company name or zip code)



Search History  
Favorites  
User Information  
Sign Out

Before users login in and after search, it will be like

Find your H1B!

search here



Sign In / Sign Up

If you want to contribute to our website  
(add company etc.) , please sign in!

Company Name	Location	Jobs Title	Contacts Information	URL	Favorite
Company1	<a href="#">Location1</a>	Job1	Contact1	URL1	☆
Company2	<a href="#">Location2</a>	Job2	Contact2	URL2	★
...	...	...	...	...	

Project work distribution: Who would be responsible for each of the tasks or subtasks?

List of the person responsible for which exact functionalities in section f. Explain how backend systems will be distributed across members. Be as specific as possible as this could be part of the final peer evaluation metrics.

Student	work distribution
KangHong Zhao	user registration
Yifu Gao	user avatar
Yiming Wang	Add to favorites
Haifan Wu	Click Location, Search Page