

Project Proposal

The project in hand is a data analysis and visualization project showing international student (worker) friendly companies in the US. To do so, our group aims to take a practical approach to build a website as the final product of this project. On this website, the user is required to set the following input:

- Company size: How small/big of a company do you want to work at?
- State/City: Which state and/or city do you want to work in?
- Job title/industry: Which industry/function do you want to work in?

This information given as input will act as filters to present the users with a list of companies that match these filters, along with the companies' previous Labor Condition Application (LCA) submission and approval data. Specifically, the user will be presented with the following information about each company:

- The name and location of the company
- Number of approved, withdrawn, and denied LCAs
- How long it took for the company to receive a response from the Office of Foreign Labor Certification (OFLC)
- The job function/industry the company submitted the LCA for
- Whether the job requested by the company is a full-time vs part-time position
- Whether the company is represented by an agent or attorney, and if so, the name of the representing law firm
- The wage range of the job requested by the company

The majority of the data is extracted from the [LCA Disclosure Data](#) provided by the OFLC. We will first explore the data from 2016 to 2021. Some additional information we may also present includes company reviews and ratings, the number of workers the company is submitting the LCA for, etc. To do so—and to compile the sizes of the different companies—we may extract data from additional sources, such as Glassdoor.

Presenting information based on the users' multiple inputs and preferences is the key feature this project performs beyond existing sources. Thus, users can access information in a much more personalized and practical manner.