Our project is a tool that will help users position themselves in the job market.

We are using data from job posting APIs, and our goal is to categorize and summarize different segments of the job market.

Some main functionalities we want to achieve:

1. Market analytics
   1. Given a particular posting, identify the required/preferred skills (NLP on description ???)
   2. Given a subset of job postings (eg we filter for a category or a location), generalize insights about required/preferred skills (statistics, but need 1.1 to be done)
2. User matching
   1. Given a user’s data (resume, social media?, class list?), identify key capabilities and skills (???)
   2. Filter for jobs a user is qualified for (eg for each posting, determine if qualified) (???)
   3. Generate a cover letter that frames the user’s work experience with the relevant qualities in the job description (???)

extract some information from the top companies in a field (totally different data)

What we have so far:

[Job postings](https://drive.google.com/drive/folders/18dEvVuQrfJRZP2pSZLhCIHLQMAJomKVr) (note adzuna have to request by country, the muse can request by city), with features:

* + Title
  + Category
  + Comp
  + Loc **(all have a city, but not standardized)**
  + Desc **(a long string, needs to be cleaned and parsed !!!!!)**
    - Add features by sending this description to openai.com, https://beta.openai.com/playground/p/
    - What skills do I need for this job?
    - What qualifications do I need for this job?
  + redirectURL
  + Lon, Lat **(for adzuna only currently)**
  + pstDate
  + salaryPredicted **(looks like 0 for everything)**
  + Level **(for the muse only currently)**
  + API - themuse | adzuna

[All the categories and all the locations](https://drive.google.com/drive/folders/1nR_eUsXeQSBVm5lMa--VZWkrotp-6o0s) included in the muse API