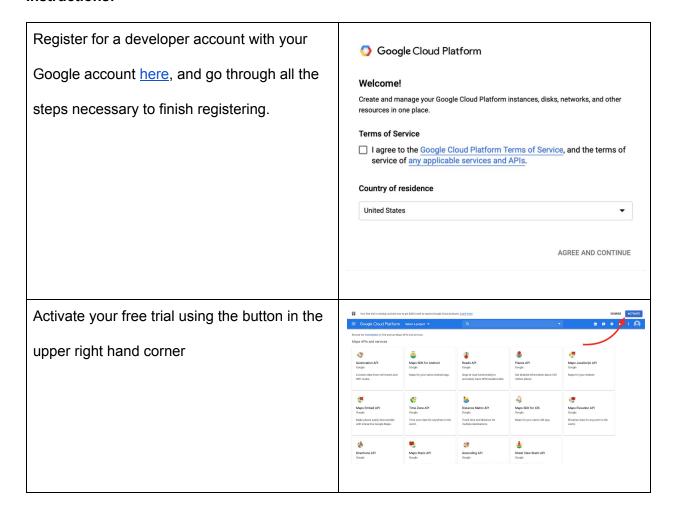
## Stacey Chen

## Google Location API

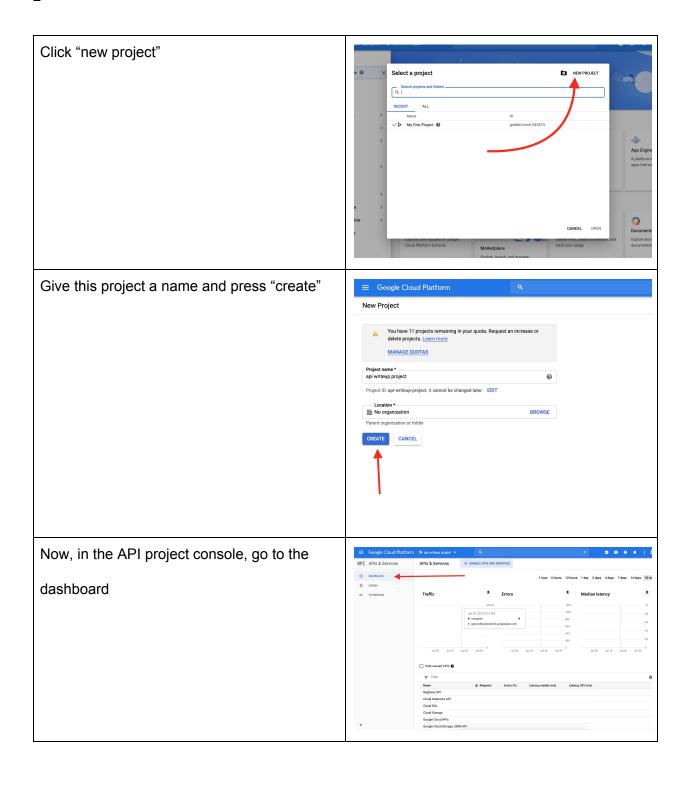
## Things you need to get started:

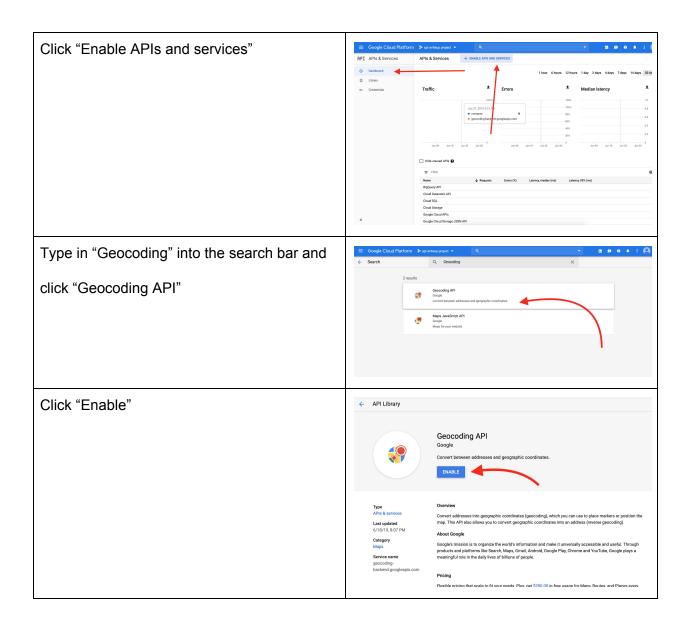
- Python 3x installed on your computer
- Python's requests and unidecode library is installed on your computer
- Some IDE for Python (we used Eclipse with the PyDev plug-in)
- The api-requester-locations project code from Github
- A Google account

## Instructions:

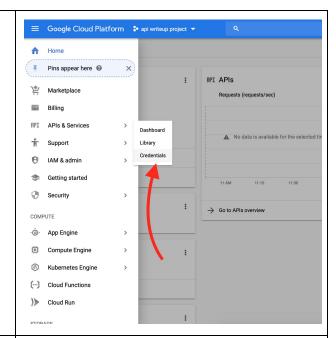


Try Google Cloud Platform for free Agree to the terms and conditions and click Step 1 of 2 Access to all Cloud Platform Products Get everything you need to build and run your apps, websites and services, including Firebase and the Google Maps API. "continue" Sign up and get \$300 to spend on G Platform over the next 12 months. No autocharge after free trial ends We ask you for your credit card to make sure you are not a robot. You won't be charged unless you manually upgrade to a paid account. (i) Fill in the form. This enables billing, but don't Primary contact How you pay worry, you won't be charged for any overages Automatic payments without permission to do so. Click "Start my You pay for this service only after you accrue costs, via an automatic charge when you reach your billing threshold or 30 days after your last automatic payment, Free Trial". You will receive \$300 in credit to whichever comes first. use toward the data retrieval Payment method (i) Add credit or debit card Card details Credit or debit card address is START MY FREE TRIAL Now, you should be able to see your Google Cloud Console Next step is to create a new project. Click the projects button

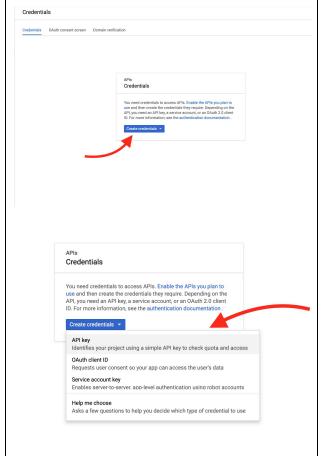




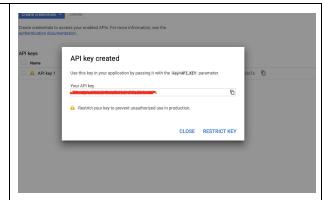
Navigate to the project home, click on the navigation icon in the upper left hand corner, hover over "APIs and Services", and click on "credentials"



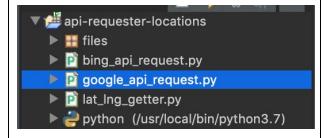
Click "create credentials", and click "API key"



This will create an API key to use with our code provided. For security reasons, the api key to the right has been hidden, but you'll be able to see your own key.



In the project in Eclipse, go to the file titled "google\_api\_request.py"



At the top of the file, replace the ADD API KEY

HERE placeholder in the code with your api

key (make sure to keep the quotations

around it!)

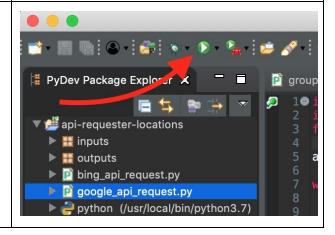
```
import requests
import csv
from unidecode import unidecode

api_key = 'ADD API KEY HERE'

with open('files/affiliationnamefreq100.tsv', en
    with open('files/google_writeup_output.tsv',
```

Run the script (if you're using eclipse, then this will be a green button with a white play button inside in the upper left hand corner).

Note that this will probably take around half a day!



The data will be in the project's "outputs" folder, and it will be called "google\_output.tsv"

