Kenneth Shinn
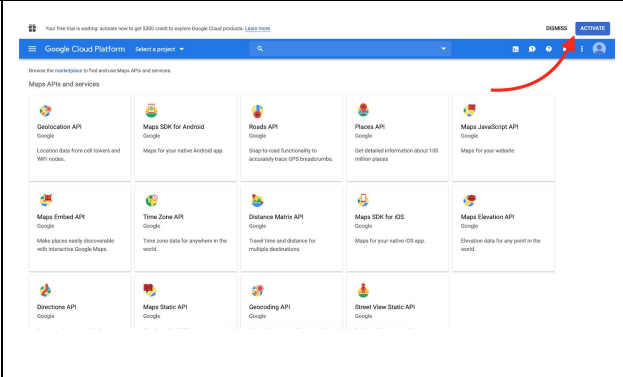
Stacey Chen
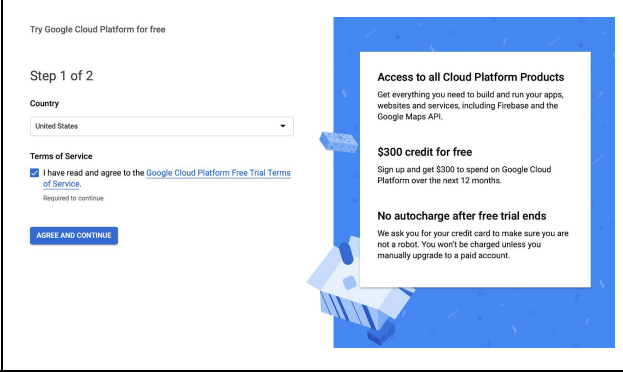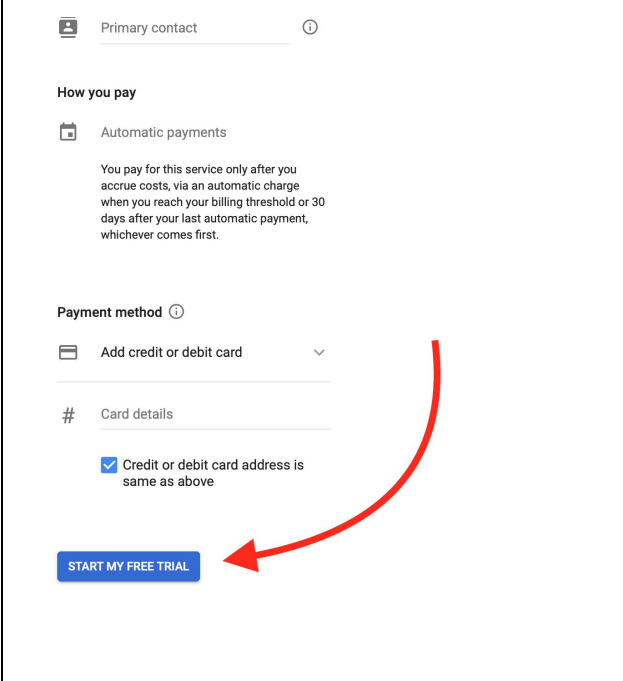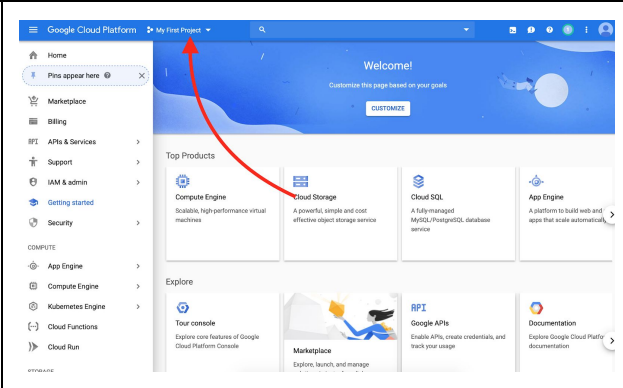
Google Location API

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:
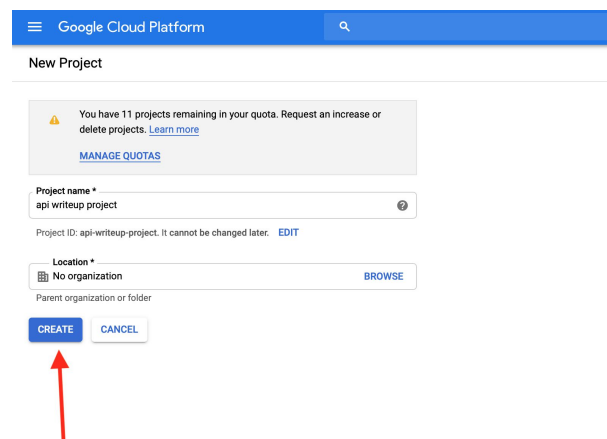
Register for a developer account with your Google account here, and go through all the steps necessary to finish registering.	
Activate your free trial using the button in the upper right hand corner	

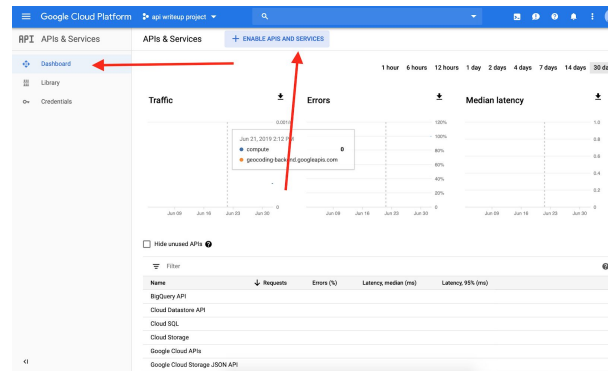|	
Agree to the terms and conditions and click "continue"	
Fill in the form. This enables billing, but don't worry, you won't be charged for any overages without permission to do so. Click "Start my Free Trial". You will receive $300 in credit to use toward the data retrieval	
Now, you should be able to see your Google Cloud Console	
Next step is to create a new project. Click the projects button	
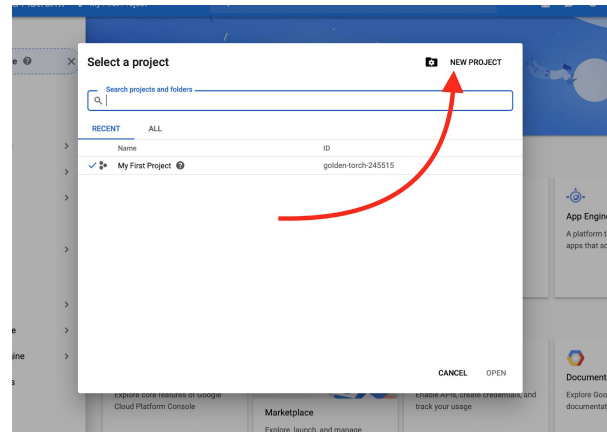
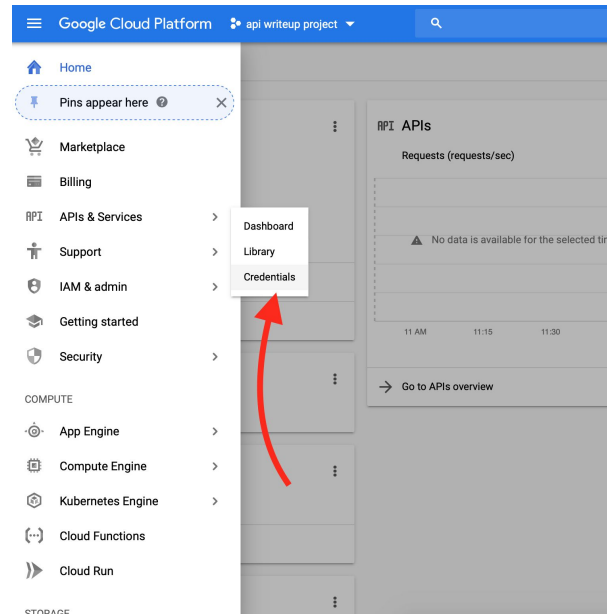|	
Click "new project"	
Give this project a name and press "create"	
Now, in the API project console, go to the dashboard	
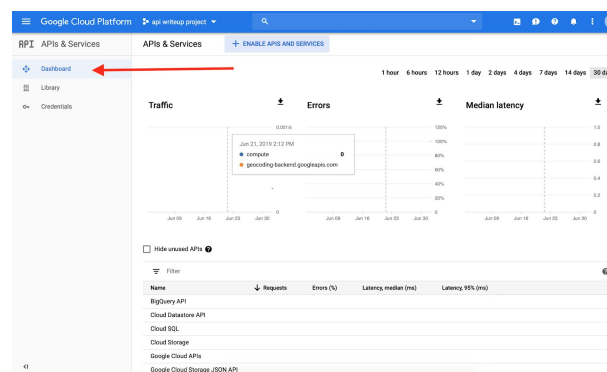
Click "Enable APIs and services"	
Type in "Geocoding" into the search bar and click "Geocoding API"	
Click "Enable"	
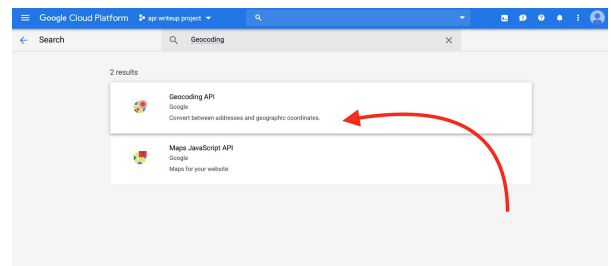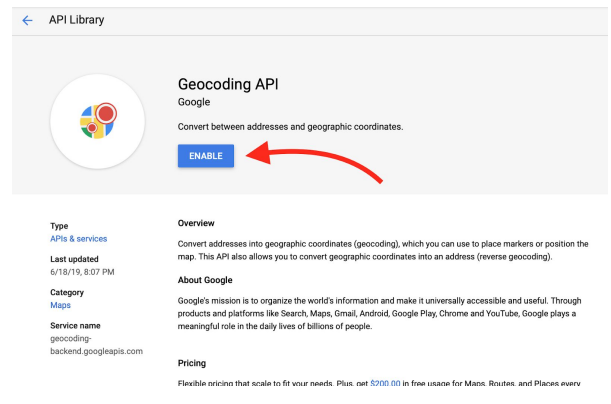
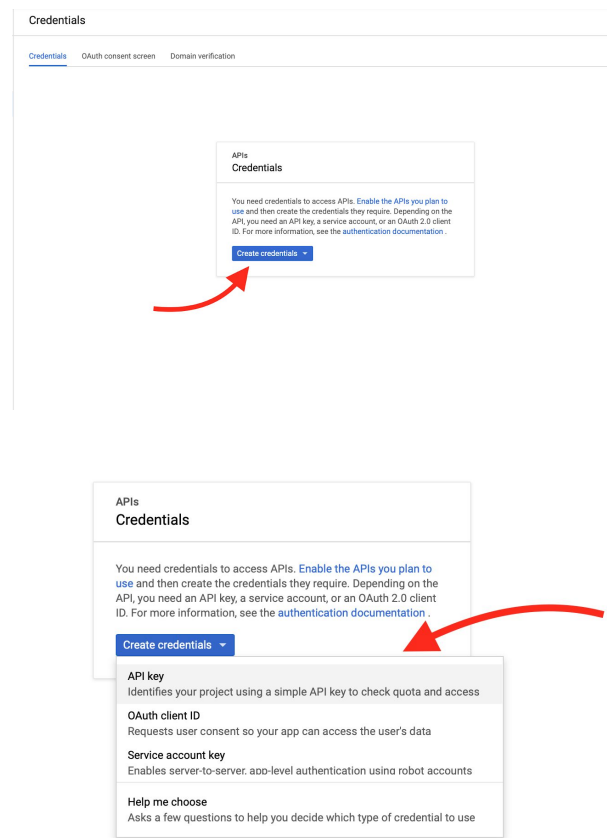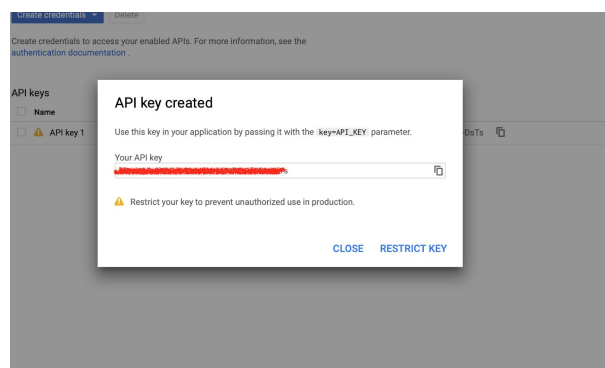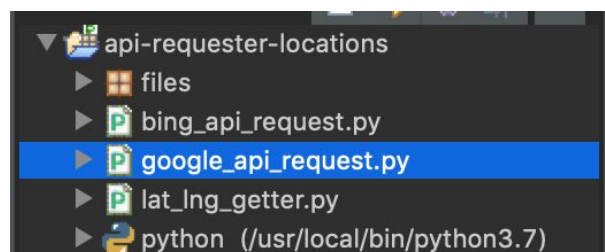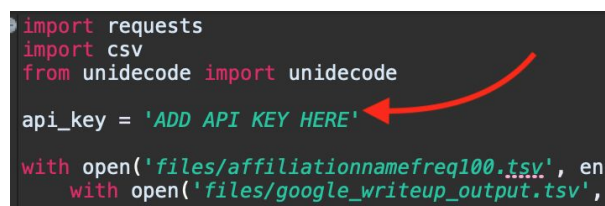|	
Navigate to the project home, click on the navigation icon in the upper left hand corner, hover over "APIs and Services", and click on "credentials"	
Click "create credentials", and click "API key"	

|	
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!)	
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!	
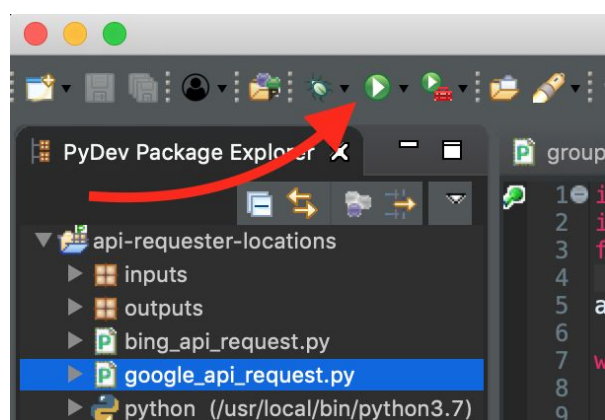
| The data will be in the project's "outputs" folder, and it will be called "google_output.tsv" | |