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**Project Motivations** 

- ★ GeoGuessr experts
  - ★ Are they really that good?
- ★ Test geography skills
- ★ Image recognition
- ★ Google API

North

Pacific

Ocean



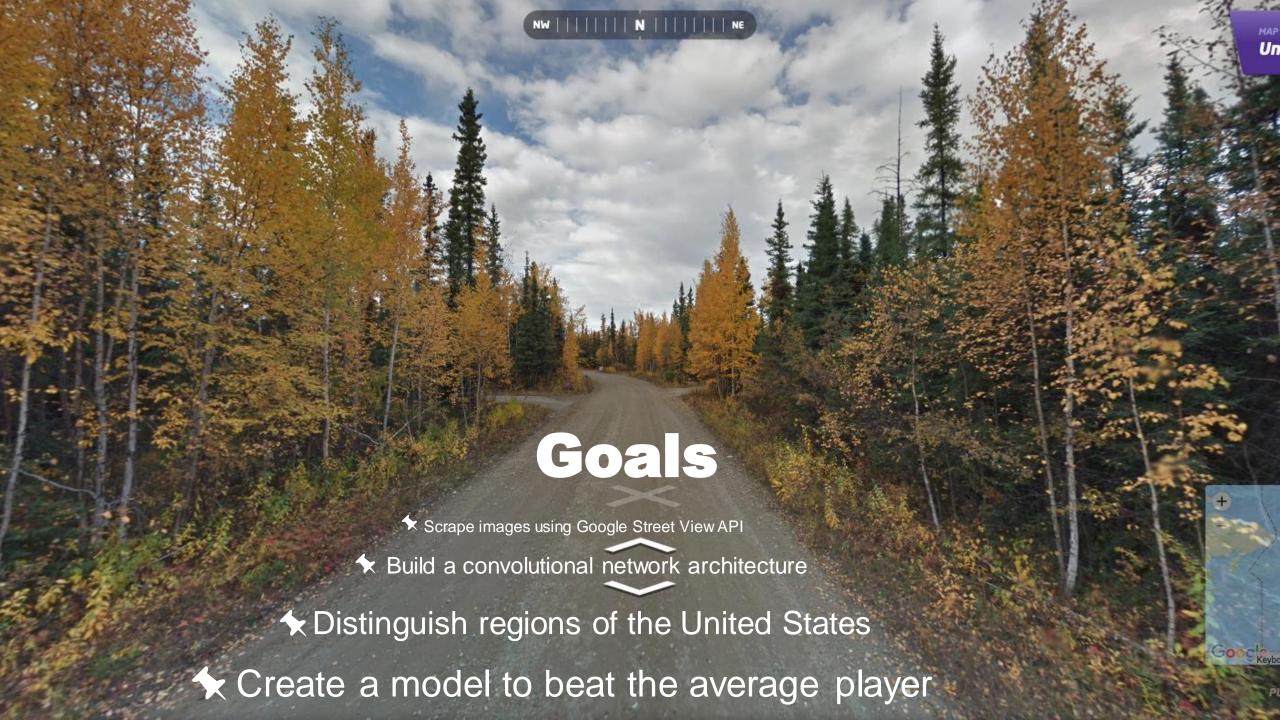


ONTARIO



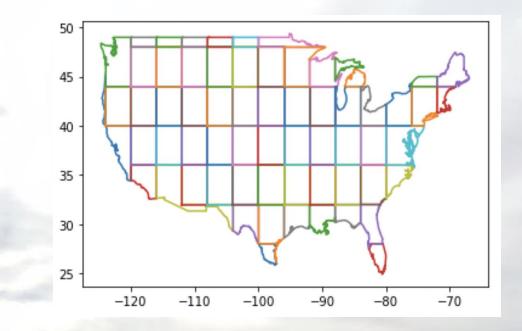
LVL 6

171/190



## Strategy

- ★ Partition the United States into 65 grids
- ★ Scrape 10 locations per section (constrained by \$300 Google credit limit)
- Load training/testing images into arrays with their corresponding grid number into a separate pair of arrays
- Construct a convolutional neural network to detect single features within the entire image



## Google Maps API

- Google Maps Street View was used for the data set
- This required us to obtain an API key from the Google Cloud service
- In doing this we were able to pull images taken directly from Google Maps at any location





## The Data

- Using Google Maps, we were able to pull 10 random image sets from within a specified latitude and longitude range such as shown here.
- Each location is within the continental United States
- Each location chosen has three images associated with it.
- The difficulty in this problem lies in situations that can be seen here.
- Any idea where these images are from?

