

## GIS & DH workshop

**Learn How to  
Mine Locations  
from Texts Using  
spaCy**

**Learn How to  
Quickly Geocode  
50k Addresses  
per Day Using  
Bing Maps**

**Learn How to  
Quickly Create  
Interactive  
Leaflet Web Maps  
Using Folium**

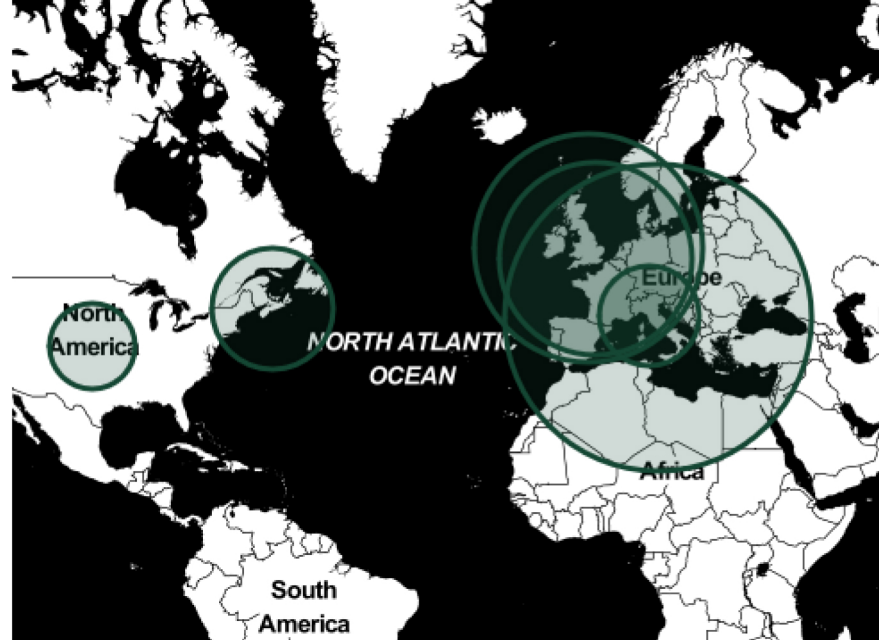
### **PRESENTER**

Joshua Been is the Digital  
Scholarship Librarian at Baylor  
University.

His research interests in data  
research education includes text  
data mining, data visualization,  
Python scripting, and geospatial  
research.



GIS@SMU



**Visualize the locations referenced  
in the letters of  
Robert Browning & Elizabeth Barrett**

**NOV. 12**

**3pm-5pm**  
ROOM 106 Fondren

# **VISUALIZING TEXT LOCATIONS USING GIS & PYTHON**

## **Convert Text Documents to Maps**

Have a collection of digitized books, music lyrics, letters, or  
articles, and want to visualize a map of all locations mentioned in  
the texts? Using the Google Colaboratory Python environment,  
learn how to write and leverage Python code to:

- (1) automatically extract named locations from texts
- (2) obtain coordinates for these locations by geocoding against  
the Bing Maps API
- (3) visualize these locations by overlaying on an interactive map

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