



Political Atlas

“Map to Politics”

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CSCI 49900 - Capstone

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Product Definition

Goal: improve political understanding of the American electorate

Solve: ambiguous & deceitful political speech.

Strategy: Create a web application that shows textual & vocal tone analysis.



Demo

Tech Stack

DATA SCRAPING



Python



DATABASE



SQLite3

DATA ANALYSIS



Python



IBM Watson

DeepAffects 

Tech Stack

BACKEND



Python



Flask

web development,
one drop at a time



THE
APACHE[®]
SOFTWARE FOUNDATION



DigitalOcean



Let's
Encrypt

FRONTEND

React JS



Gatsby.js



Material UI



d3.js



Challenges & Lessons Learned

Challenges

- Working with APIs
 - DeepAffects API is currently unavailable
 - Miller Center video links wasn't accessible briefly
 - API language vs usage can be very weird
- Malware attack on DigitalOcean server

Lessons:

- Sometimes you have to prioritize and let go of great features
- Determining what the frontend vs backend should process is very gray
- You should use incognito for web development and be wary of caching



Q & A



Questions? Concerns? Feedback?