Front End: React.JS and React Native

Back End: Django

Database: MongoDB

Phase I:

* Create a replica DB from API call to Chicago Data Portal. Run ML on past pothole records to create a pothole “heat map” or likely hood function for the pole holes to exist in the radius.

Phase II:

* Provide React.JS front end to view learned data. Visualize routes and the intersect of “hot zone” of potholes and route.

Phase III:

* Create ReactNative App to live detect location information and speed information.
* Add Tag button to update the pothole database
* Add accelerometer and GPS data from riders

Phase IV:

* Create ERC20 Token for live data feed of live potholes.
* Staking QTY of the token will be proportional to the update of live feed per seconds.
* ERC20 tokens are distributed by receiving confirmed pothole tagging from Phase III.