

Train Service Real Time Pattern Matching

24 March 2016

Api Hasthanasombat

Axel Goetz

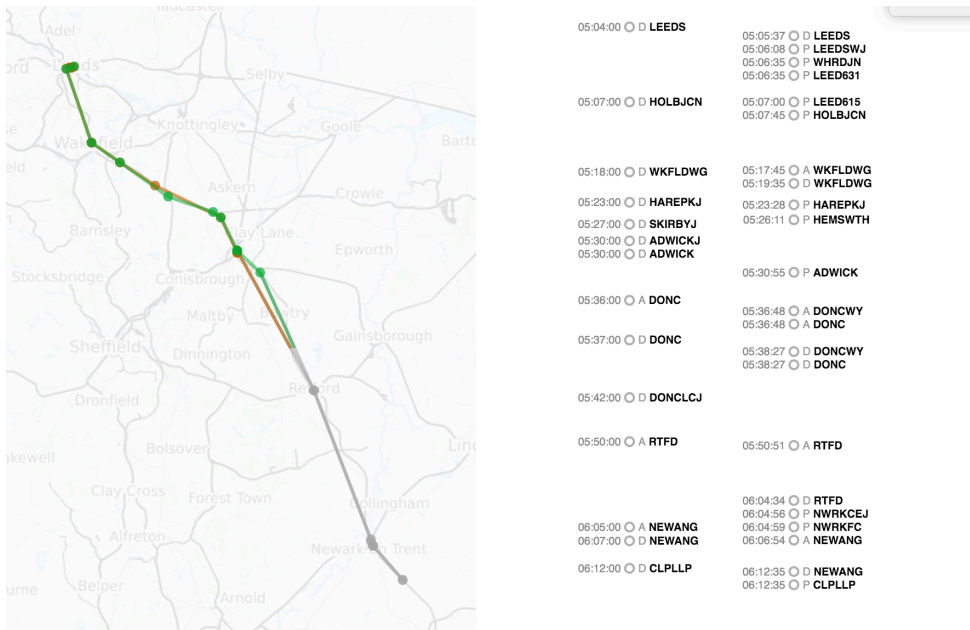
Daniel Gavrilov

Overview

Progress

In the last two weeks, we:

- identified and fixed more bugs in our algorithm
- set up Continuous Integration with Travis, so that our tests run automatically and notify us if anything fails
- wrote more tests
- showed the reports side-by-side with the map visualisation.



Summary of meetings

Client Meetings

We met with our client on 23 March 2016, at 2pm. We demoed the work that has been achieved so far, and asked for any immediate feedback. We also asked for more data so that we will be able to test the algorithm and improve on it.

Team meetings

We decided the work for each member over easter, and split it into 3 different parts, testing and refactoring, in hopes of cleaning up any technical debt we have gathered and increase

our testing coverage. Finishing touches on the visualisation to make it clear to the audience and display all main information, and also possibly tweaking to algorithm to see if it works with the new dataset we will (hopefully) receive.

Problems to be resolved before the next report

- Finding a more efficient way of debugging parts of the algorithm
- When large amounts of emits are generated from the server side by socketio, we get a broken pipe error.

Plan for next 2 weeks

- Try to test the visualisation on the different dataset (to be received from client)
- To cover more code with unit tests
- Tweak algorithm to work with new dataset

Tasks completed

Api

- Wrote report
- Set up continuous integration
- Implement Socketio

Axel

- Implement Socketio
- Fix concurrent issues with interpolating segments

Daniel

- Added the stops on map along with the segments