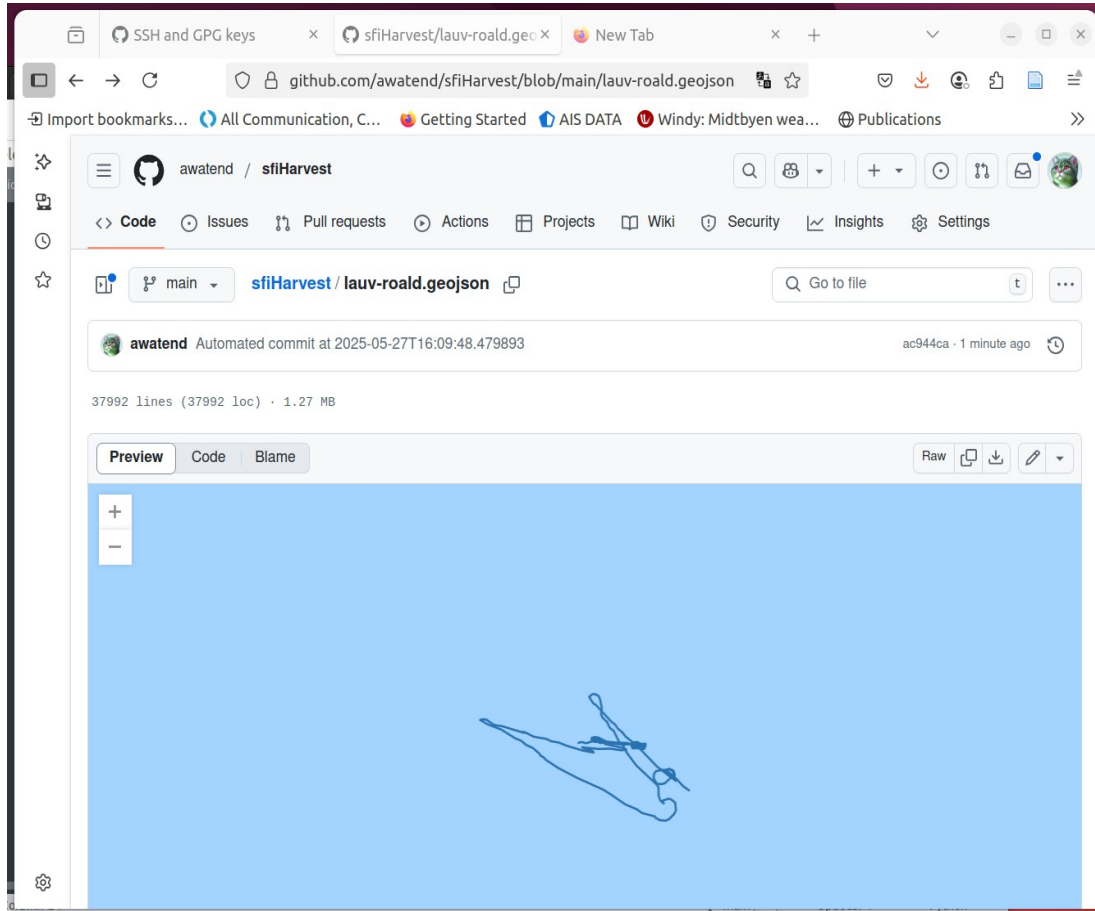# ArcGIS Integration with GitHub & GeoJSON

Data processing
Step 1: Collect and Save Incoming Data
Run '**main_sniffer.py**' to subscribe to incoming data and automatically save it in **GeoJSON** format. ArcGIS loves GeoJSON, so this will make things nice and smooth later on.

Step 2: Commit the Latest Data to Your GitHub Repo
Run 'commit_changes_git.py' to commit your geojson files to the repo.
Make sure you've set the correct path to the file you want to display.

Note:
A bunch of helpful scripts are included in the repo. Don't forget to share your work and scripts as well - sharing is caring!

Display Your Data in ArcGIS Map Viewer
Step1: Map creation on arcGIS
1. Open a New Map: Go to ArcGIS Map Viewer and create a new map.
2. Add Your Layer: Click 'Add Layer from URL'.
3. Get Your Data Link: Go to your GitHub repo (or wherever your data is stored), and find the file you want to show.
If you're using GitHub, make sure to grab the "Raw" link to the GeoJSON file.
4. Choose the option: 'Reference the file from the URL'.

This lets ArcGIS pull the latest data every time you update the file - no need to re-upload!
5.Customize Your Map. Play around with the layer properties and styles to make your map look great. Add as many layers as you like, then save the map.

Step2: ArcGIS Integration with GitHub & GeoJSON
1. Build an Experience App
      From the Content page, select your newly saved map.
      Click 'Create App > Experience Builder'.
      Choose a template, edit it however you like. Add widgets and make is as fancy as you like.

2. Publish and share the link!