

Free and Open Source Software (FOSS) for Web Maps

<https://github.com/Willjfield/FOSS-for-WebGIS>

Introductions

- Name
- Do you have a particular project or type of project in mind for the class? (It's ok if you don't!)
- What technologies or technical skills do you hope to learn?

Goals

- Survey the FOSS for GIS landscape (and external learning resources)
- Theory behind FOSS development (What? Why? How? Who?)
- HTML/CSS/JS review (Please let me know what would be helpful here!)
- Web Mapping fundamentals (raster vs. vector, formats, choropleths, heatmaps, databases)
- Web Mapping tools and platforms
 - MapLibre, Leaflet, OpenLayers, d3, CesiumJS, (Deck.gl?)

Materials

- <https://github.com/Willjfield/FOSS-for-WebGIS>
- <git@github.com:Willjfield/FOSS-for-WebGIS.git>

Schedule

- **5:30 - 7:15 PM**
- 6/7 - Introduction
- 6/14 – Web Mapping Fundamentals
- 6/21 – Mapping Resources
- 7/5 – MapLibre
- 7/12 - d3
- 7/19 - Leaflet
- 7/26 - OpenLayers
- 8/2 - CesiumJS
- 8/9 - Workshop/Open Q&A
- 8/16 – Share final projects and wrap up

Grading

- 50% Class Participation
- 50% Final Project
- **Did you make progress from where you are today?**