• JS

• node JS (server)

• react JS (front end)

Documentation

• [Add React to a Website](https://reactjs.org/docs/add-react-to-a-website.html)

Tutorials

•<https://www.youtube.com/watch?v=JPT3bFIwJYA&list=PL55RiY5tL51oyA8euSROLjMFZbXaV7skS>

• JS x maps:

Maps to begin with:

• [Top JavaScript Maps API and Libraries](https://flatlogic.com/blog/top-javascript-maps-api-and-libraries/)

GMAPsTutorials:

• [Geolocation API Tutorial - Get User Location with Javascript](https://www.youtube.com/watch?v=KSf417F3ui0)

• [Create A Google Map In A Website | Google API Map | Learn HTML and](https://www.youtube.com/watch?v=9CY0V0JAgNU)

[CSS | HTML Tutorial](https://www.youtube.com/watch?v=9CY0V0JAgNU)

• Python

Overview:

[How to read GPS data with Python on a Raspberry Pi | Raspberry Pi](https://maker.pro/raspberry-pi/tutorial/how-to-read-gps-data-with-python-on-a-raspberry-pi)

libraries :

• [simondlevy/BreezySLAM: Simple, efficient, open-source package for Simultaneous Localization and Mapping](https://github.com/simondlevy/BreezySLAM)

• GPS libraries :

Gpsd

documentation: [Gpsd\_json](https://gpsd.gitlab.io/gpsd/gpsd_json.html)

Tutorials :  
 [Get position from GPS using Python](https://www.youtube.com/watch?v=_DuMjcl52BU)

[Getting started with Google Maps in Python - Future Vision](https://medium.com/future-vision/google-maps-in-python-part-2-393f96196eaf) : [gmaps Documentation](https://buildmedia.readthedocs.org/media/pdf/jupyter-gmaps/latest/jupyter-gmaps.pdf)

• GPS traffic jam logic => get data from using google maps

• the emergence robot vid :

[Firefly Synchronization Ad Hoc Networks](https://www.rlocman.ru/i/File/2007/10/24/2006_WSL_Firefly_Synchronization_Ad_Hoc_Networks.pdf)

[AMAZING example of complex emergent behavior from a very simple rule](https://www.youtube.com/watch?v=ix66tQ93bdU)

Used ressources:

Socket package:

<https://socket.io/get-started/chat/>

Location button:

<https://github.com/domoritz/leaflet-locatecontrol#methods>

Css bootstrap template:

[Modern Business - Full Website Template for Bootstrap 4](https://startbootstrap.com/templates/modern-business/)

Leaflet map setup code:

[How to locate user with leaflet locate?](https://stackoverflow.com/questions/10563789/how-to-locate-user-with-leaflet-locate)

Maps :

<https://leafletjs.com/examples.html>

<https://docs.mapbox.com/mapbox.js/example/v1.0.0/leaflet-studio-style/>

Usable resources:

methodes :