

## 3D visualization of 1000 Genome Project data

### Project Description:

The 1000 Genome Project ([https://en.wikipedia.org/wiki/1000\\_Genomes\\_Project](https://en.wikipedia.org/wiki/1000_Genomes_Project)) is a major international project to understand population genetics. We have developed expertise in this domain both in data analysis and visualization. We want to attract attention to our work by proposing an interactive visualization of these data using web technology and make a youtube video of these visualizations available to a large audience.



### Duties/Activities:

You will develop the visualization using TensorFlow ([https://www.tensorflow.org/versions/r0.12/how\\_tos/embedding\\_viz/](https://www.tensorflow.org/versions/r0.12/how_tos/embedding_viz/)) and Python, put it online as an interactive webpage and a youtube video.

### Required Skills:

Python, TensorFlow

### Preferred Intern Academic Level:

BSc

### Learning Opportunities:

Your will learn about TensorFlow, visualization, population genetic

### Expected Team Size: 2

### Mentors

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