

Team Name: **DataPhiles**

Roster: **Jabir Chowdhury, Brian Lee, Tianrun Liu, Damian Wasliewicz**

Title: D3 Earthquake Visuals

Project Overview:

A website for visualizing data about earthquakes. Users will be able to interact with the data in order gain a higher level of understanding of the earthquakes.

Overview of Components:

- GeoData
 - Serves as the foundation of the world map. It contains the data of how to draw the countries and continents
- Earthquakes dataset
 - Provides all the information about earthquakes from the years 1600 through 2019. Includes data such as location in longitude and latitude, Magnitudes, and deaths.
- Javascript (front end)
 - Specifically, d3 will be used to create most of the visualizations including transitions, animations, and data interactions in conjunction with svg
 - Also somewhat does backend as it is used to extract data from our datasets using the built in d3 function
- Flask
 - Serves as the web server/delivery framework

Division of Labor:

Jabir Chowdhury

- Making sure design doc/ readme is updated,
- Keeping track of devlog
- Light coding, helping everyone with their code

Brian Lee

- Creating world map
- Projecting earthquake data points onto to the world map

Damian Wasilewicz

- Adding transitions to the map
- Incorporating other data about the earthquakes such as deaths and damages

Tianrun Liu

- Create Other graphs to show statistics for earthquakes by country

Component Map:

