

Team name: Archangel

Members: Kyle Schultz, Aaron Steiner, Michael Ren, Kevin Huynh, Thomas Martinez, Mitch Massey

Description: We want to create a website to spread awareness of pollution and how it affects everyone in the world. We are going to provide information that is easily accessible and will drive individuals to make a difference.

The site will be based on an interactive globe which will label various countries and locations on Earth with various types of pollution. To the right and left sides of the page will be outlets for information - news updates regarding recent pollution (eg. health updates, statistics, etc).

Vision Statement: To spread awareness about the inevitable impacts of pollution and how to combat it for the future.

Motivation: To provide a call to action for the general population - most people know the pollution situation is worsening but don't really do much about it or know the specifics.

Risks: Not much javascript experience, time management due to other classes, lack of communication.

Risk mitigation plan: Learn enough javascript to perform actions and ask Mitch for help if need be. Utilize Slack often to keep each other up to date with our progress. Make sure to set time aside for meeting in person to work on the project and assist where help is needed.

Version Control: GitHub

Development method: Agile

Phase_1: Setting up html, test

Phase_2: Load in containers, Java map & test

Phase_3: Add features and extras

Phase_4: Cleanup and finalize

Collaboration tool: Slack

Proposed Architecture: Node.js back end, webgl, three.js for interactive 3d globe, HTML, CSS, Angular front end