**My Carbon Footprint Calculator**

Global CO2 emissions have increased from an average of 2 billion tons per year in the 1900s to more than 37 billion tons in 2018. Climate change affects both global warming driven by the emission of greenhouse gases and creates large shifts in weather patterns. Weather and climate changes affect our wildlife and the ecosystem balance. Mankind needs to curb the amount of carbon emissions we add to the environment, or the effects will be catastrophic.

In order to reduce your carbon emissions, you must first calculate your carbon footprint. This project is focused on creating an application and webpage that allows the average person to measure and track their own, and their household’s carbon footprint. By allowing everyone ease of access to the means necessary to know their role, and how much of an impact they are having on the atmosphere, the future of mankind, and our planet, we can actively work together to make a difference. Along with calculating an individual’s footprint the application would provide suggestions on the many different ways to help reduce carbon emissions.

There are already several different carbon footprint calculators, but all most of them do is calculate your footprint. My intention with this project is not just to recreate a carbon footprint calculator, but to make it interactive for the user to want to make a difference. This may include app notifications that reminds the user to recycle, or to cut down on energy usage. The more households we can get onboard to reducing their carbon footprint, the faster we can mitigate our carbon emissions issues and slow global warming. I am hoping with this app to let the general everyday person actively become part of a major solution.