Daniel Rotenberg

Matt Britt

Kevin Kuriachan

Vikrim Jadhav

EarthX Hackathon

Tweeco-System

1. Introduction

Tweeco-System is a convenient way to search nearby areas that need an environmental makeover. Every year, there is approximately $11.5 billion dollars spent on the many clean-up activities that happen around the nation.

1. Description of the problem

The amount of litter that can be found throughout the nation is seemingly endless and needs to be prevented. When litter is left in the streets, it can have a profound impact on the quality of life for residents in the neighborhood. Not only does this affect day to day living, but the environment as a whole is impacted as the litter eventually ends up in our waterways and oceans.

1. Description of the solution

The proposed software solution would be to create a geolocation based web scraper that pulls data directly from twitter. It would be used to search by #hashtag and zip code. The reason to use twitter is that there are millions of people worldwide tweeting about stuff they see in their day to day lives. If a person tweets about litter in their area, our application will represent this on a map.

With all of this information easily accessible and highly publicized, the awareness regarding the location of litter would be elevated. This can be used to inform either volunteers or government agencies of the areas that need the largest cleanup. The more people that learn about the process and how easy the web application is to use, then our efforts to keep our neighborhoods clean can be exerted in areas that need it the most.