

Eco-Map

Project Manager: Lauren Poole, Mines Sus Office, poole@mines.edu

Company Background:

The Sustainability Office is housed within Infrastructure and Operations. Our primary mission is to educate students, faculty, and staff about how to reduce their environmental impact while living and working on campus.

Description of Work to Be Done: Eco-Map for Sustainability Website

The goal of this project is to design and implement a visual-based sustainability map highlighting landmarks and sustainability resources for students, faculty, and staff on campus. The map would be accessed online to show employees and students where to recycle hard-to-recycle items like batteries, locations of EV charging stations, LEED buildings, solar installations, etc. There are similar maps available for other universities that I can send to students to use as a resource and guide. Could include tree map described below.

Resources: Campusmaps.com

Tufts University Eco-Map: https://sustainability.tufts.edu/wp-content/uploads/Fall-2019-Eco-Map-_web.pdf (can we create something like this but online and perhaps inter-active?)

Desired Skills for Students:

Learn to create a campus map using campus map design software. Plan and implement a project as a team. Environmental science, engineering, and/or computer science skills or knowledge. Graphic design skills?

Preferred Team Size: 4 students

Given the scope of this project a group of 4 students is preferred but 3 students could also excel given they are willing to problem solve and learn.

Internships at the End of the Course:

We might be able to offer internships after the project for continued improvement and other help with website.

Location Where Work Would Be Performed:

We plan on a hybrid working environment spread between remote work and the Colorado School of Mines campus. Most of the work can be done remotely.