**Hophacks Hackathon 2019**

1. Recruiting a group and understanding their skill sets
   1. Marty (CS Major)
      1. Good with web development
      2. Knowledge with CSS, HTML, JavaScript, Python
      3. Practiced full-stack development and JS frameworks
   2. Rendell (Electrical Engineer Major)
      1. Planning and schematics
      2. Proficient with hardware and incorporating software
      3. Knowledge with C++, Java
      4. 3D Modeling
   3. Elijsha (CS Major)
      1. Good with organizing groups and creating a plan
      2. Knowledge with Python and Java
      3. Marketing and presentation
   4. Kaivan (CS Major)
      1. Knowledge with Python and Java
      2. Hands on learning with machine learning, web scraping
      3. Understanding python modules
2. How is the app going to be made?
   1. Use of a full-stack development
   2. Front end preferably given to user as a web page (HTML, JS, CSS)
   3. Back end preferably using python for its powerful machine learning library and web scraping
3. What kind of frameworks were suggested that we can use?
   1. MongoDB
   2. Flask
   3. Meteor
   4. React
4. What problem are we tackling?
   1. How do we improve the environment with the use of satellite images and machine learning?
5. What is the time frame we are under?
   1. 36 hours straight
   2. 1 week to research and understand the framework/programming languages
6. How do we understand the problem?
   1. What do we mean by green energy?
      1. Planting trees
      2. Solar panels
      3. Wind mills
   2. There are regulations/restrictions with green energy
      1. Building restrictions
      2. Political influences
      3. Cost vs. effectiveness
      4. Land wanted for business purposes
7. Where do we get our data?
   1. People have suggested
      1. LAND SAT
      2. Sentinel One
      3. Google images
8. How can we analyze our data?
   1. Using light levels of pixels, we can use machine learning to train our model to categorize the geography of the land.