Terrafarm Project Overview Meeting

October 7, 2019

#### Project Specifications

* Example: Farmbot Software Flow Diagram
  + Possible
* Timeline
  + Goal is to have physical project (prototype) done by the end of the semester
* Logistics
  + Communication: Sampage (similar to Slack)
* Connections
  + Connect over wifi
  + Security

#### Project Components

1. Data and Automation (Team #7)

- OS for device

> Considerations: Arduino UNO / Arduino MEGA 2560 / Rasberry Pi

- Connection security

2. Machine Learning (Team #20)

- Handles (receive, store, and process) data coming in from the sensors

> Nutrient concentrations

> Light intensity

> Temperature

- Optimize growth for taste and nutritional content

> OS examples: “Climate recipes”

3. User (Team #16)

- Website and application

- Display data in a way that is viewable to humans