* Hardware microscope with fitted camera, we do the computer programming part
* Algae blooms, o2 depletion, fish dying
* Portable microscropes have no counting or classification
* Our tech build on low cost camera
* Arduino ESP32CAM there are others about 10$ that have wifi/BT capability with sd card
* Facial recognition freeware algorithms
* Check out ESP32CAM beginner guide
* QVGA settings?
* What algorithms, how fast, what platforms
* We want to classify live samples
* Camera we will place at the eye piece
* We would need to by the camera, can have 32 bit microcontroller
* SSD1306 OLED screen can be added to have a view of what the camera is seeing
* Trello
* Arduino and other language libraries are a possibility

Raspberry pi 2 model B v1.1

Raspberry Pi 4 Model B

Arduino Uno R3