Firmware

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Scott Nakashima

Ryan Walser

Meet the Devs

Overlord of Sub-Team:

- Ryan Walser

Master of Git-ing Stuff Done:
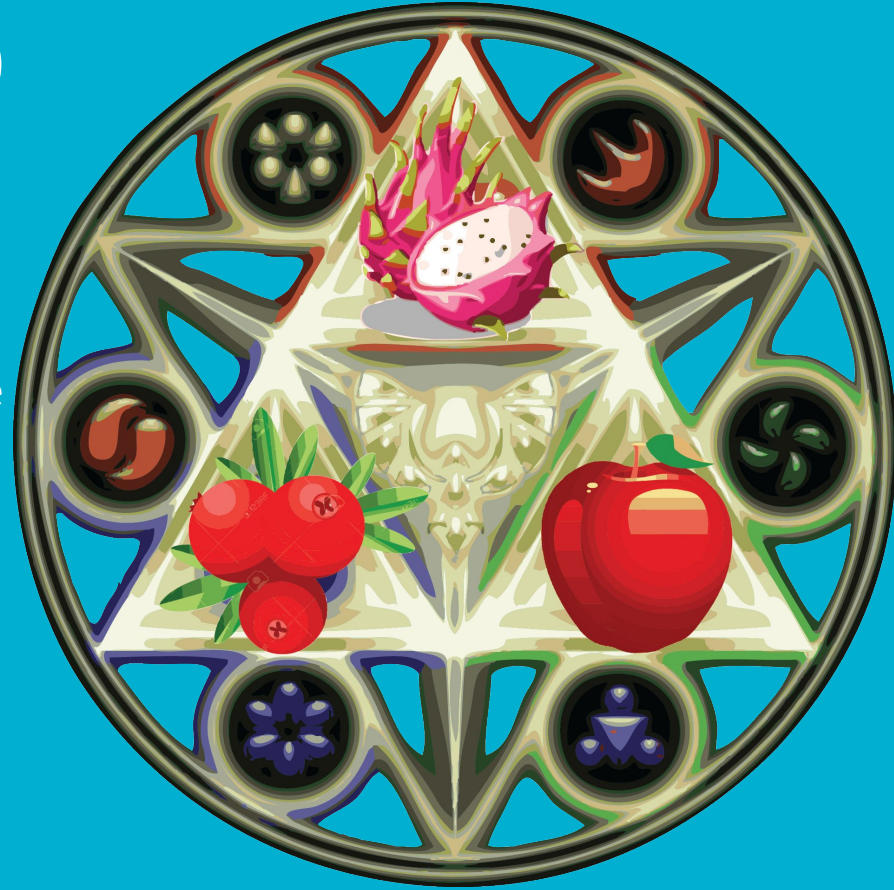
- Scott Nakashima

Overview

- Create a modular code that will be put onto the three versions of the weatherbox
- Collect and distribute relevant data
  - Arduino/XBee
- Implement Wrapper Classes or Function Pointers for configuration

Goals (Triforce of REIS)

- Modular code
- Well documented
- Can be tested independent of Hardware
- Can be used on all generations

Plan of Action

- Begin with sensors
- Packet transmission
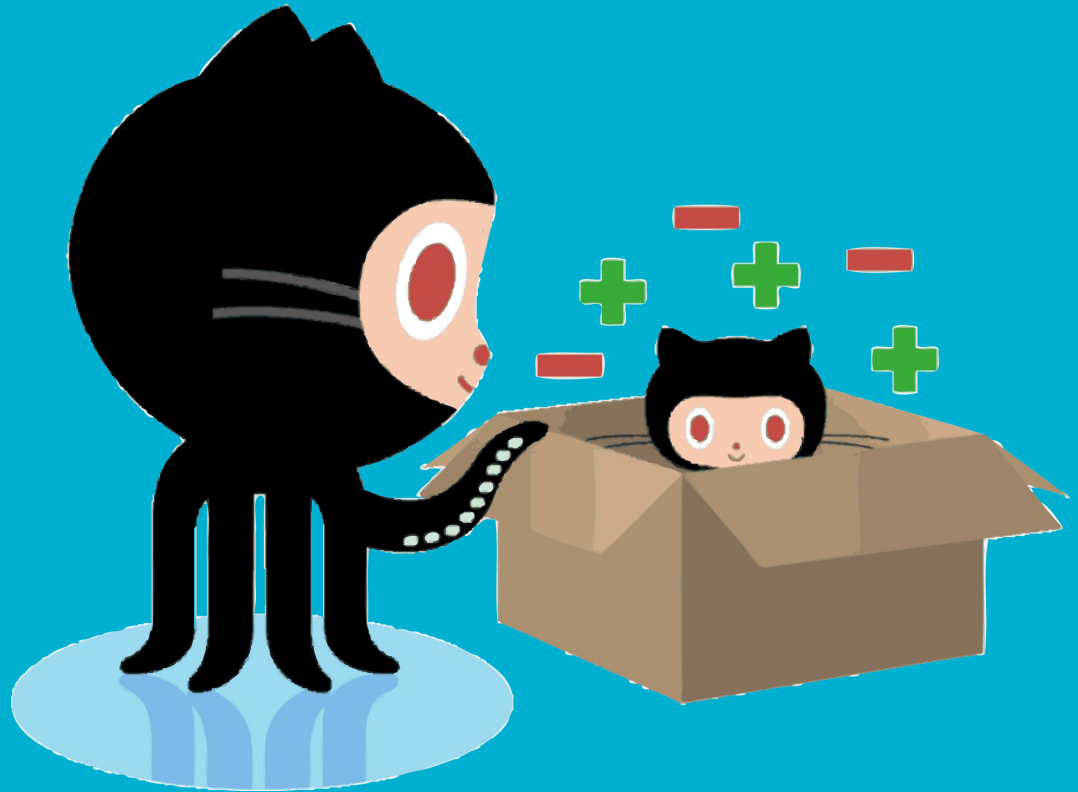- Managing the data
- Packet organization

Issues

- 3 different configurations
- Wrapper
- Function Pointers
- Sensor testing without Hardware
- Arduino IDE

Learning Expectations

- Git good at Git
- Arduino IDE
- Wrapper Classes
- Function Pointers
- Coding Habits
- Unit Testing
- Modular Programming

Current Progress

- Git tutorials
- Arduino tutorials
- Looking through Apple code
- Set up practice git environment
- Obtained repo for new code

Tentative Schedule

- Week of 9/28:
  - Finish looking through Apple code
  - Begin sensor programming
- Week of 10/5:
  - Continue sensor programming
  - Learn transmitting method
- Week of 10/12:
  - Continue sensor programming
  - Begin transmitter programming
  - Research Wrapper Classes/Function Pointers

Thank you
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ADVENTURE TIME
with Ryan & Scott