



Proposal Presentation

By Team Snapdragon

Mentor:

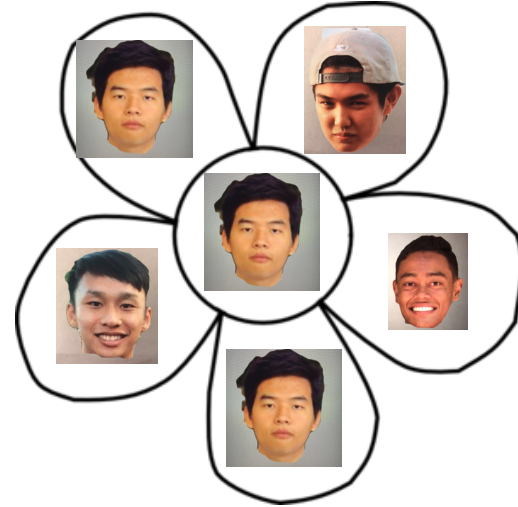


Kyle Chan, Jonathan Lau, Akira Vernon

Outline



- Introduction
- Project Overview
- Goals
- Accomplishments
- Gantt Chart
- Questions



Who is Team Snapdragon?

Kyle Chan

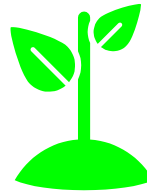
Team Lead

- PCB Design
- System Integration
- Debug/Testing



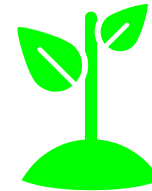
Jon Lau

- Firmware Code
- System Integration
- Debug/Testing



Akira Vernon

- Xbee Communication
- System Integration
- Debug/Testing



Motto: Together we can



the world

Overview



- Design and develop weatherbox
 - Low-cost
 - Accurate
 - Reliable
 - Durable
 - Self sufficient
- Collects and analyze data

Goals



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- Short-Term

- Eagle Proficiency
- Arduino Proficiency
- Time management

- Long-Term

- Complete weatherbox
- Compact and efficient

Accomplishments



Eagle

- Tutorial
- Eagle Schematic for the weatherboard



Git/GitHub

- Tutorial
- Team repository



Arduino

- Sensor Testing



Timeline

- Gantt Chart



Progress

- Setup Wiki



Gantt Chart

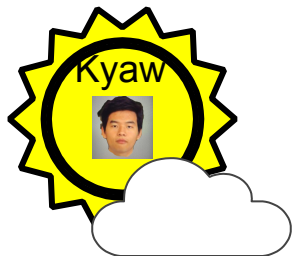


Team Snapdragon

(Gantt Chart)

Week	1	2	3	4	5	6	7	8	9	Spring Break	10	11
Date	1/16/2017	1/23/2017	1/30/2017	2/6/2017	2/13/2017	2/20/2017	3/6/2017	3/13/2017	3/20/2017	3/27/2017	4/3/2017	4/10/2017
Presentations												
Proposal					2/11/16							
Design								Tentative*				
Final												Tentative*
Demonstration												
Training												
Git/GitHub	Tutorial	Tutorial	Tutorial									
Arduino/Bare Arduino	Tutorial	Tutorial	Tutorial									
Eagle	Tutorial	Tutorial	Tutorial									
Modules												
Microprocessor			Test	Test	Test							
Sensors			Test	Test	Test							
Charging Circuit			Test	Test	Test							
Xbee			Test	Test	Test							
Build												
System Integration					Integrate	Debug						
Overall System Firmware					Integrate	Debug						
Design/Print PCB						PCB	PCB/Mill					
Housing						Design	Design/Print					
Test												
Debug												
Reports												
Final Report												

THANKS!



Any questions?

