Proposal: (Weatherbox)

Adviser: Dr. Kuh
Team Lotus
Makamae

Introduction: Dane Kaneshiro

Major: Computer Engineering

Year: I am a sophomore

Favorite Poke Place: Tamura's Spicy Shoyu (no furikake on rice)

Favorite Ice Cream: Dave's (probably Ube and Pink Cotton Candy)

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Introduction: Matthew Iwane

Major: Computer Engineering

Year: Sophomore

Favorite Poke Place: Tamura's (Spicy garlic, Hawaiian)

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Introduction: Sean Teramae

Major: Computer Engineering

Year: Sophomore

Favorite Poke Place: Ono's seafood (Half-spicy, Half-wasabi)

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Motivation

Kevin Cho recommended

Interests in sustainable energy

Working with embedded systems

Hands-on experience with hardware

Sounds like good fun

Garner practical skills for future jobs

Progress

Completed Arduino and Eagle tutorials

Tested temperature, humidity, and solar irradiance devices using arduino

Tested solar panel and charging circuit

Set up Wiki page

Created Gantt Chart

Goals

Complete and portable design

Gather and interpret sensory data

Design and implement a stylish yet practical weatherbox

Learn applicable skills for future

Apply what we learn in class to project

Document process for future project members

Develop engineering skills

Have Fun!

Timeline: Current Gantt Chart

	Week	1	2	3	4	5	6
	Date	1/23/16	1/30	2/6	2/13	2/20	2/27
Presentations							
	Proposal			███			
	Design						
	Final						
	Demonstration						
Training							
	Git / Github	███	███				
	Arduino / Bare Arduino	███	███				
	Eagle	███	███				
Modules							
	Microprocessor			███	███		
	Sensors				███	███	
	Charging Circuit				███	███	
	Xbee					███	███
Build							
	System Integration				███	███	███
	Overall System Firmware						
	Design / PCB Printing						
	Housing						
Test							
	Debug						
Reports							
	Final Report						

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Thank you! Any questions?