

Don't forget your...

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CCLab_Fall2012 Midterm

How many times have you run out the door
without your sunglasses, gloves or umbrella

...even when you *knew* the forecast?

Problem Statement

How can we create a non-invasive reminder to grab daily essentials that are easily forgotten?

Audience

Early-adapters in urban areas
that don't depend on cars.

Concept Statement

A simple reminder to grab your umbrella can change your whole day. I'll create a wireless, attractive system to remind users to grab certain weather-dependent objects as they walk out the door.

Precedents & Inspiration



Control The Weather

Bootcamp - Code

After finding out that the NOAA released XML feeds of it's up-to-the-minute weather data, I knew I wanted to create a sketch using this information. Since the weather is something we interact with daily (whether or not we want to), I decided the sketch needed to incorporate key and mouse functions. So, I learned how to import XML data and use it to control images and text on the screen. In this sketch, users can see a visual representation of the current weather for LA and for NYC. They can also draw "storm fronts" across the country by dragging the mouse. Visually, I was inspired by weather maps.

My Bootcamp Coding Final

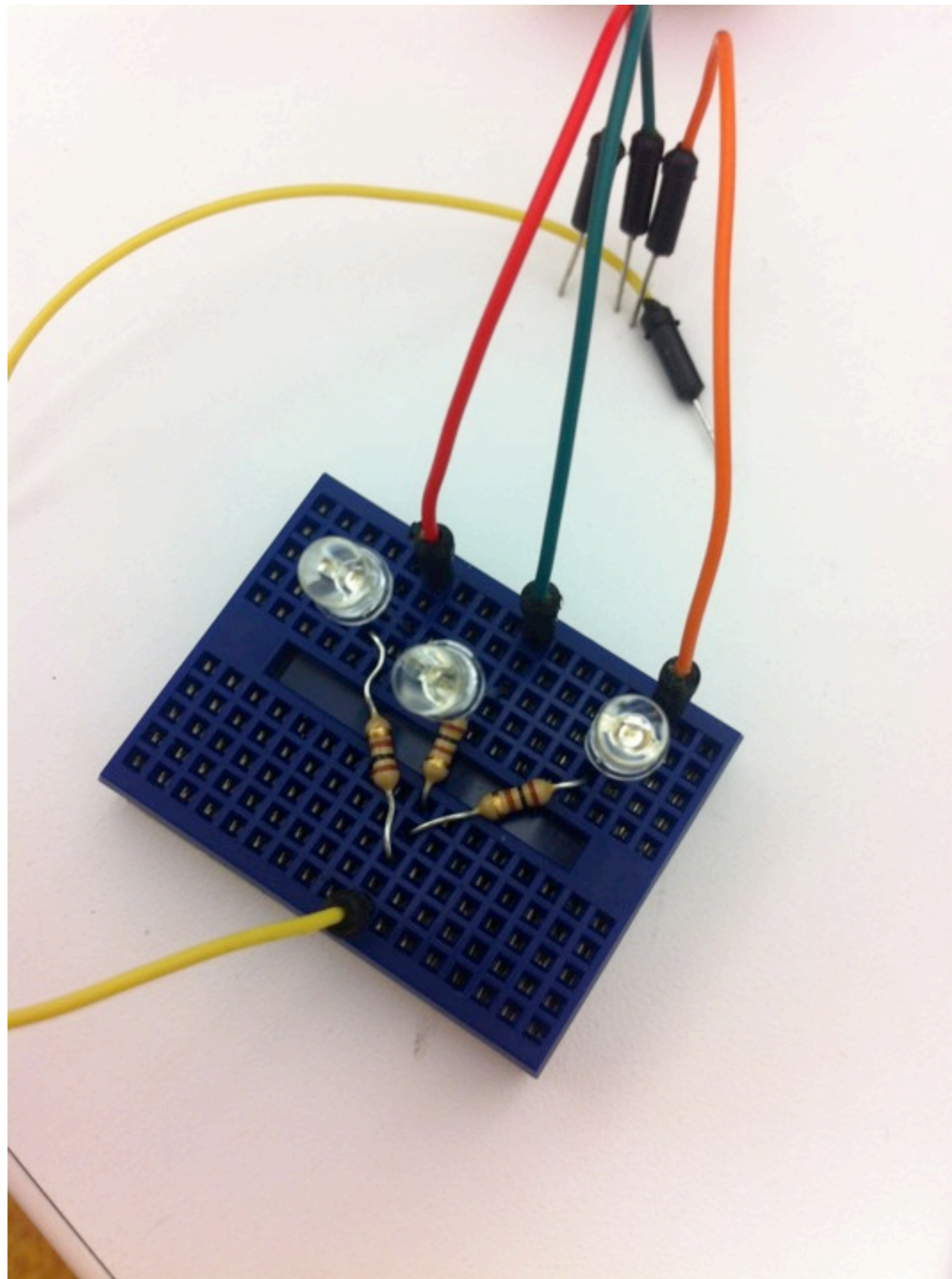


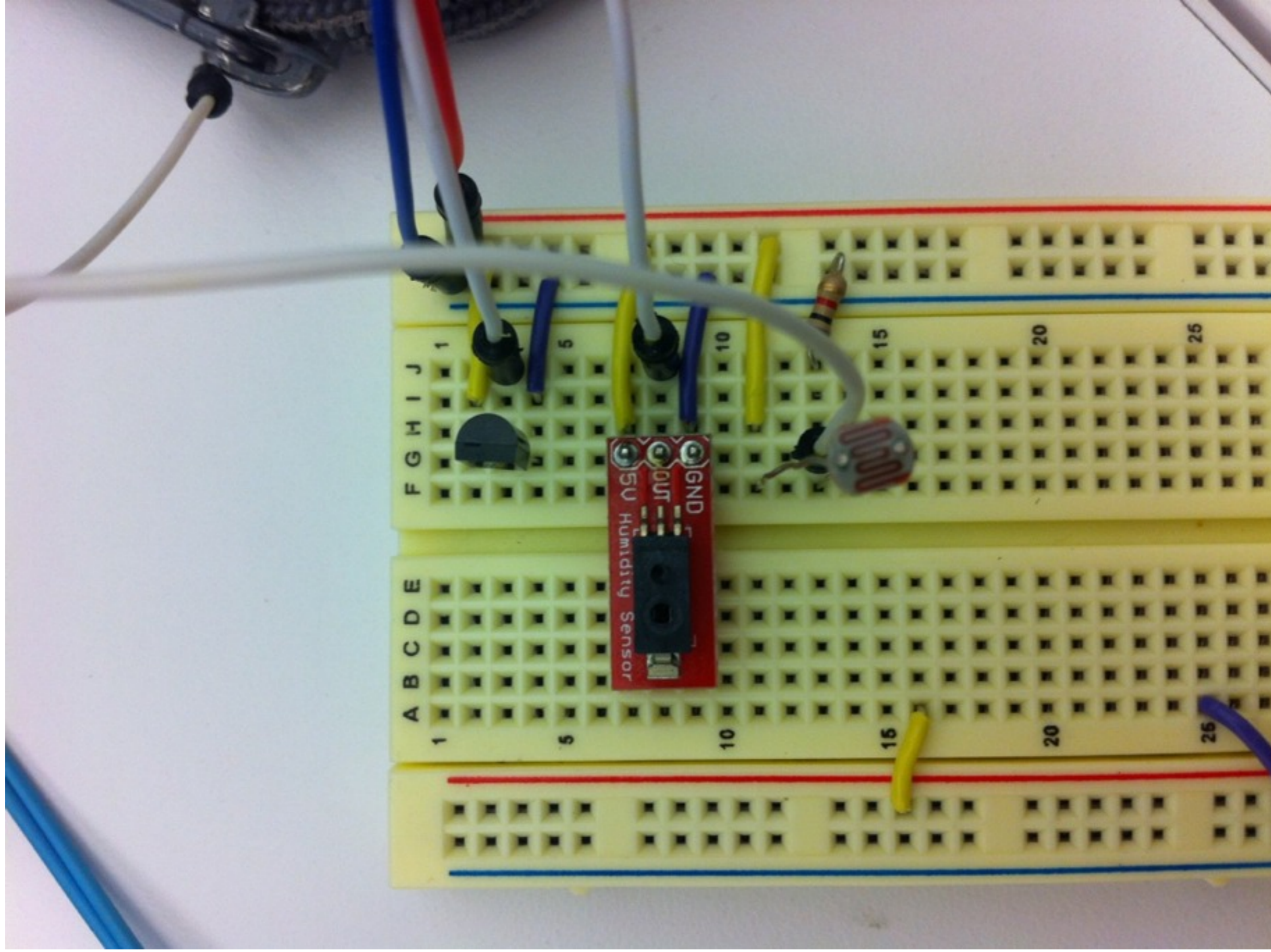
Sensemakers' Air Quality Egg. <http://airqualityegg.com/>



Phone Halo's Cobra Tag, <http://phonehalo.com/>

Process





A Practical Guide to the ZigBee Mesh Networking Protocol

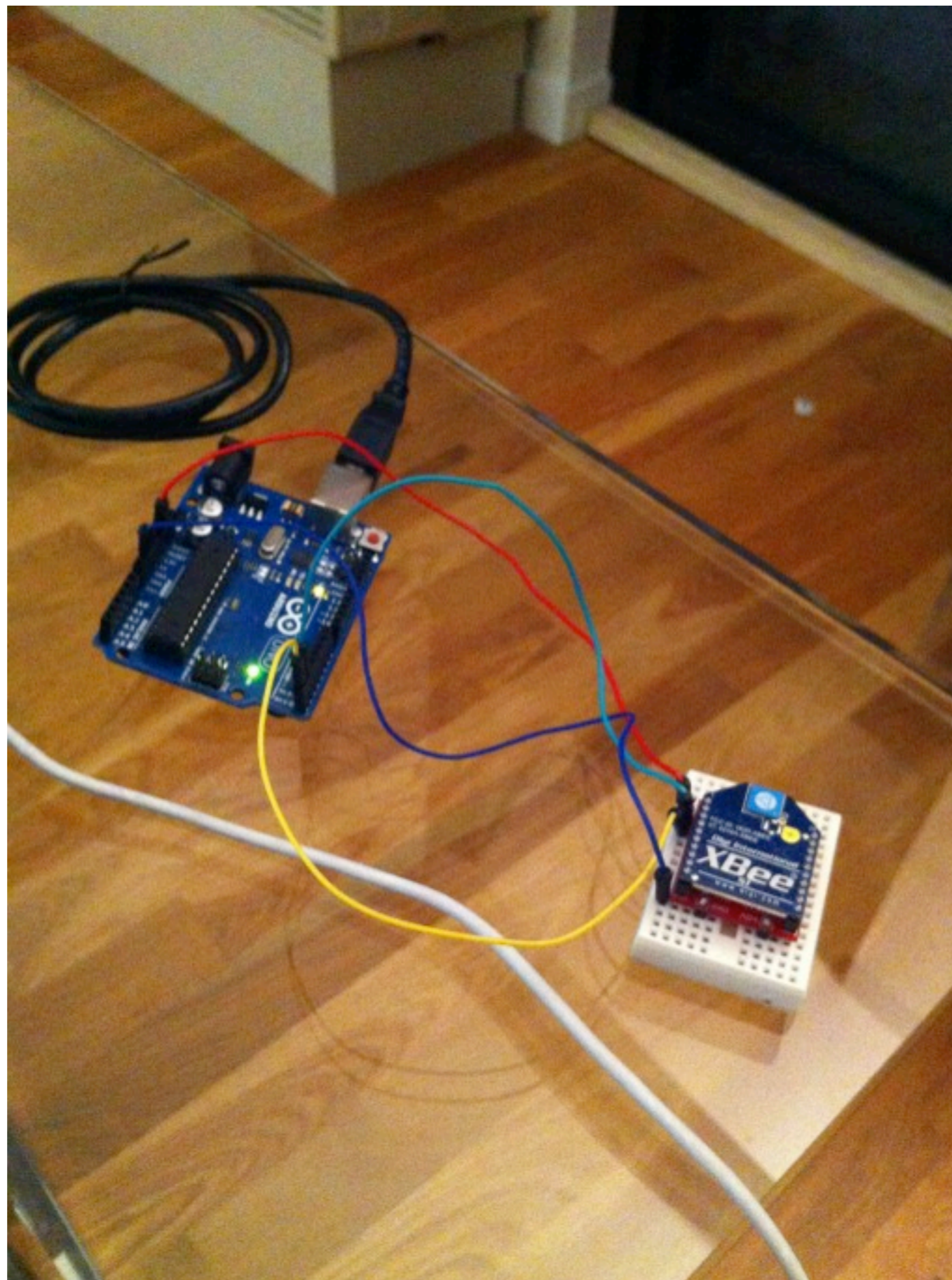
Building

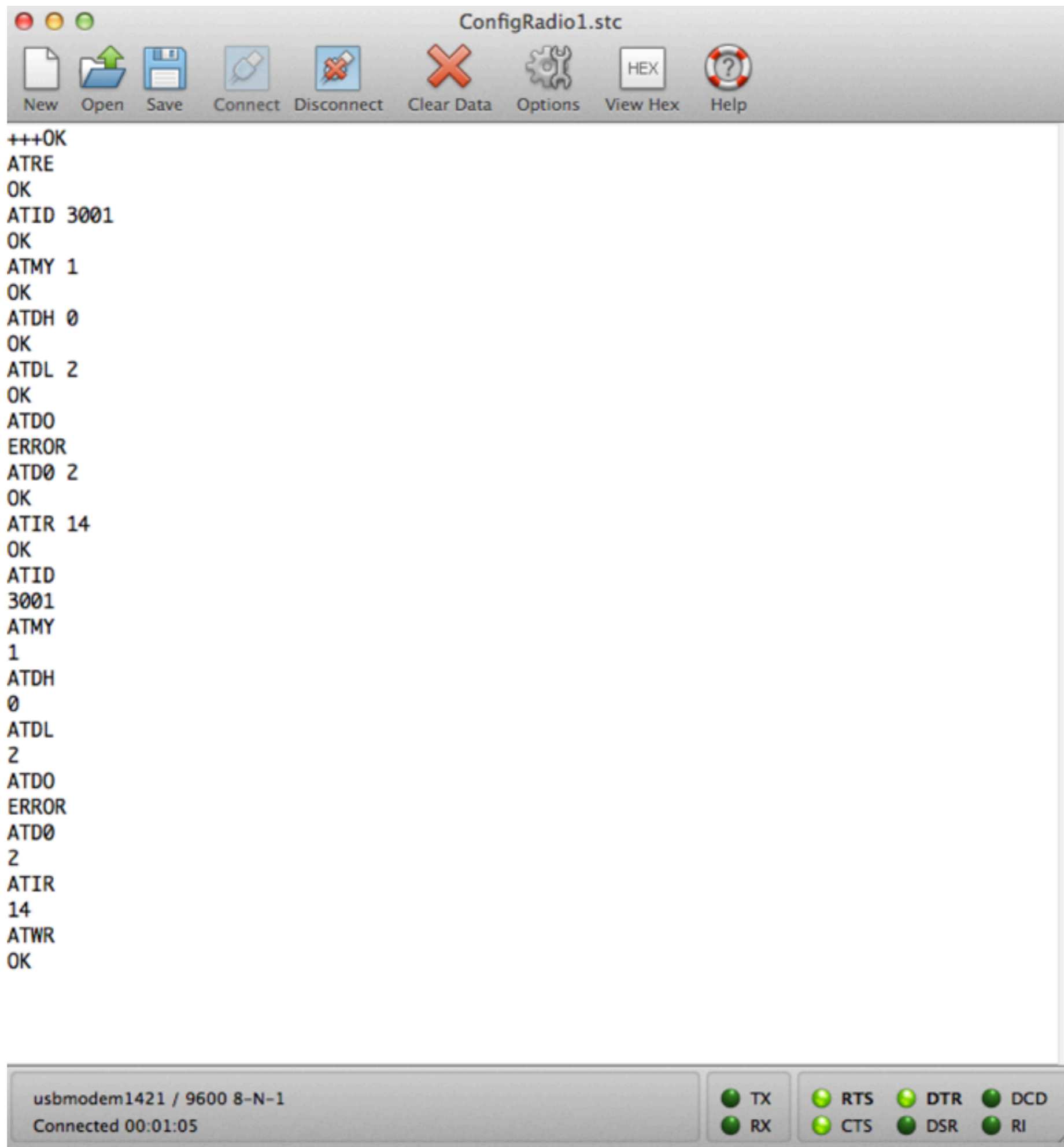
Wireless Sensor Networks

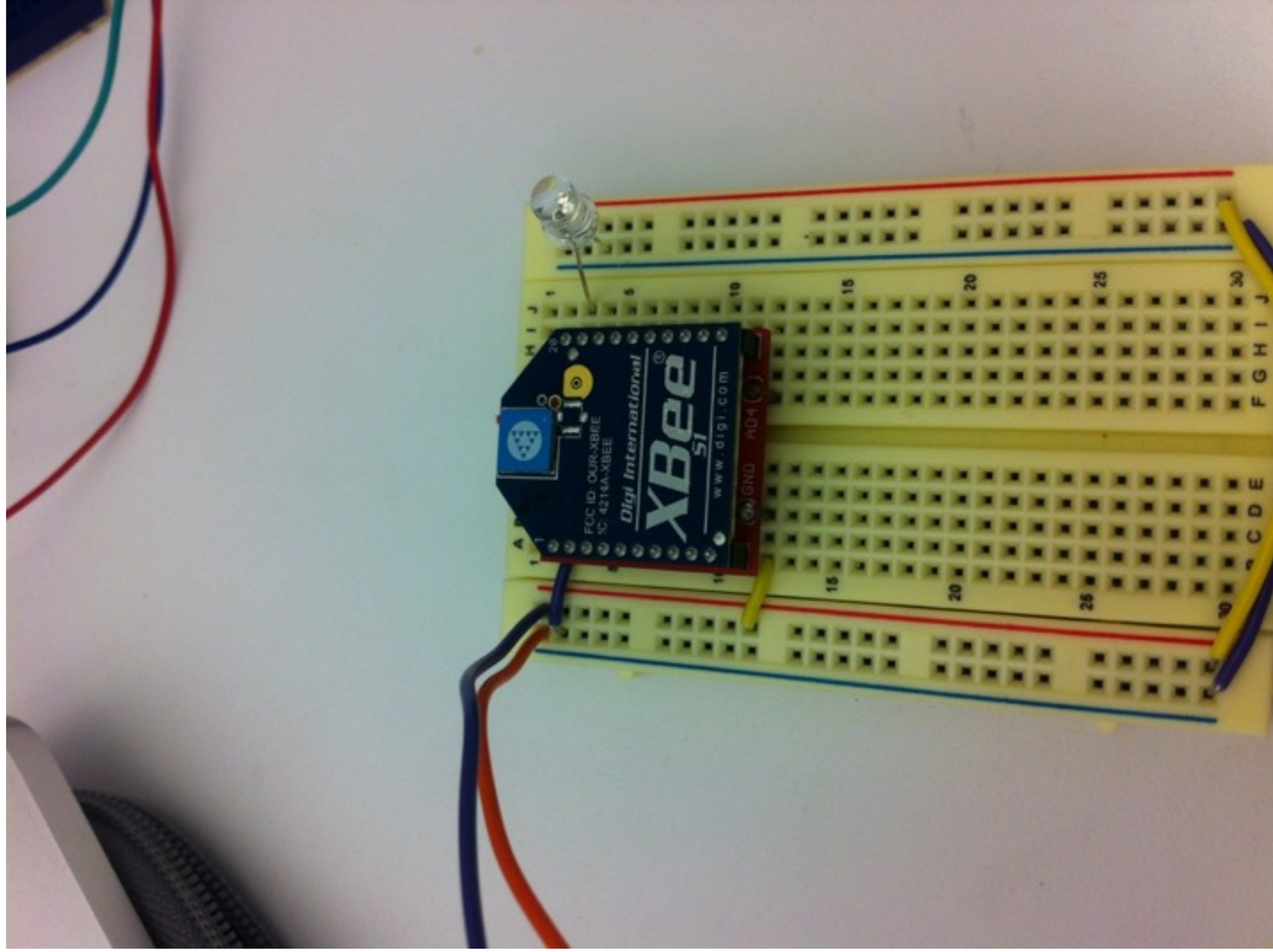


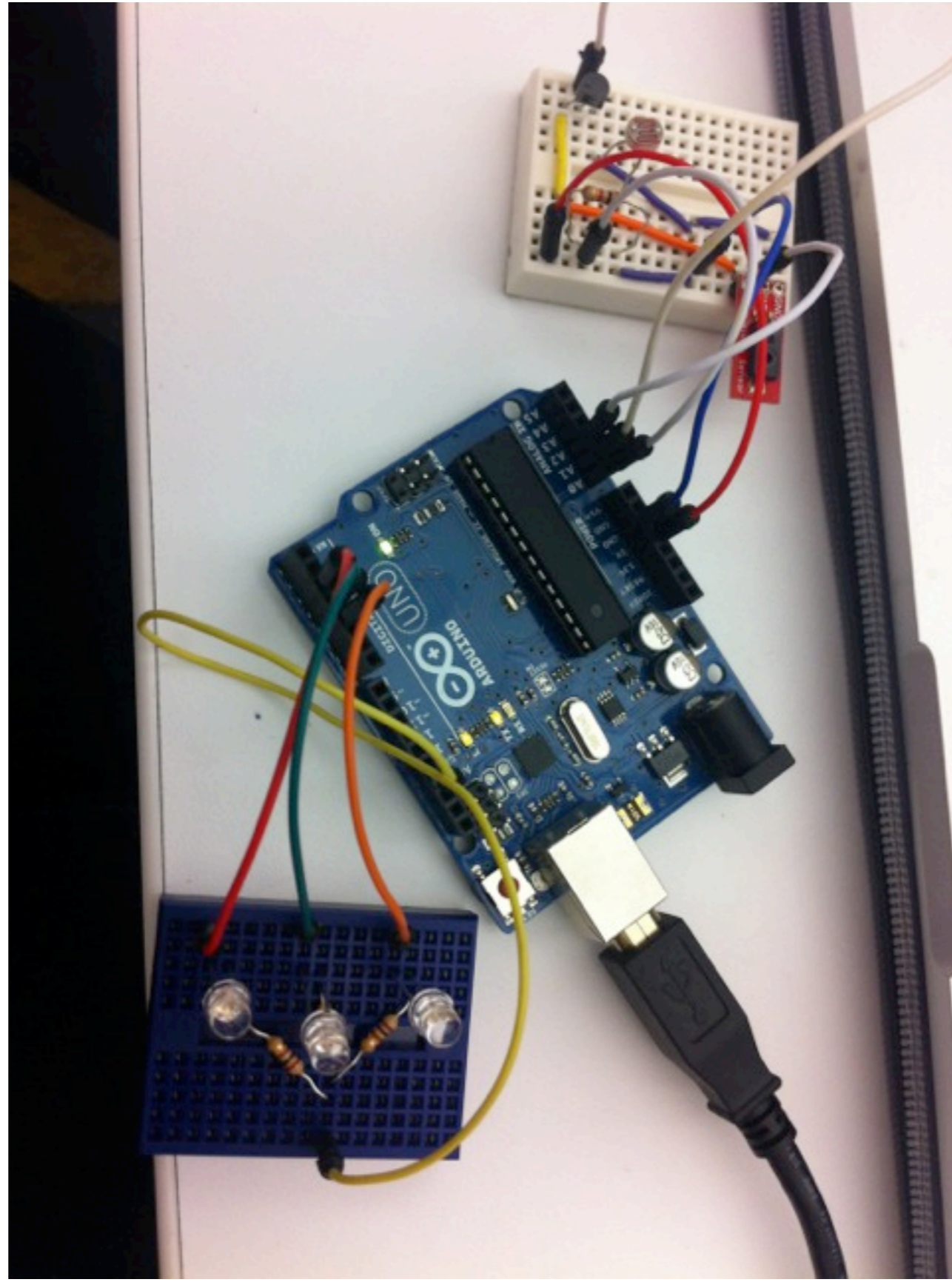
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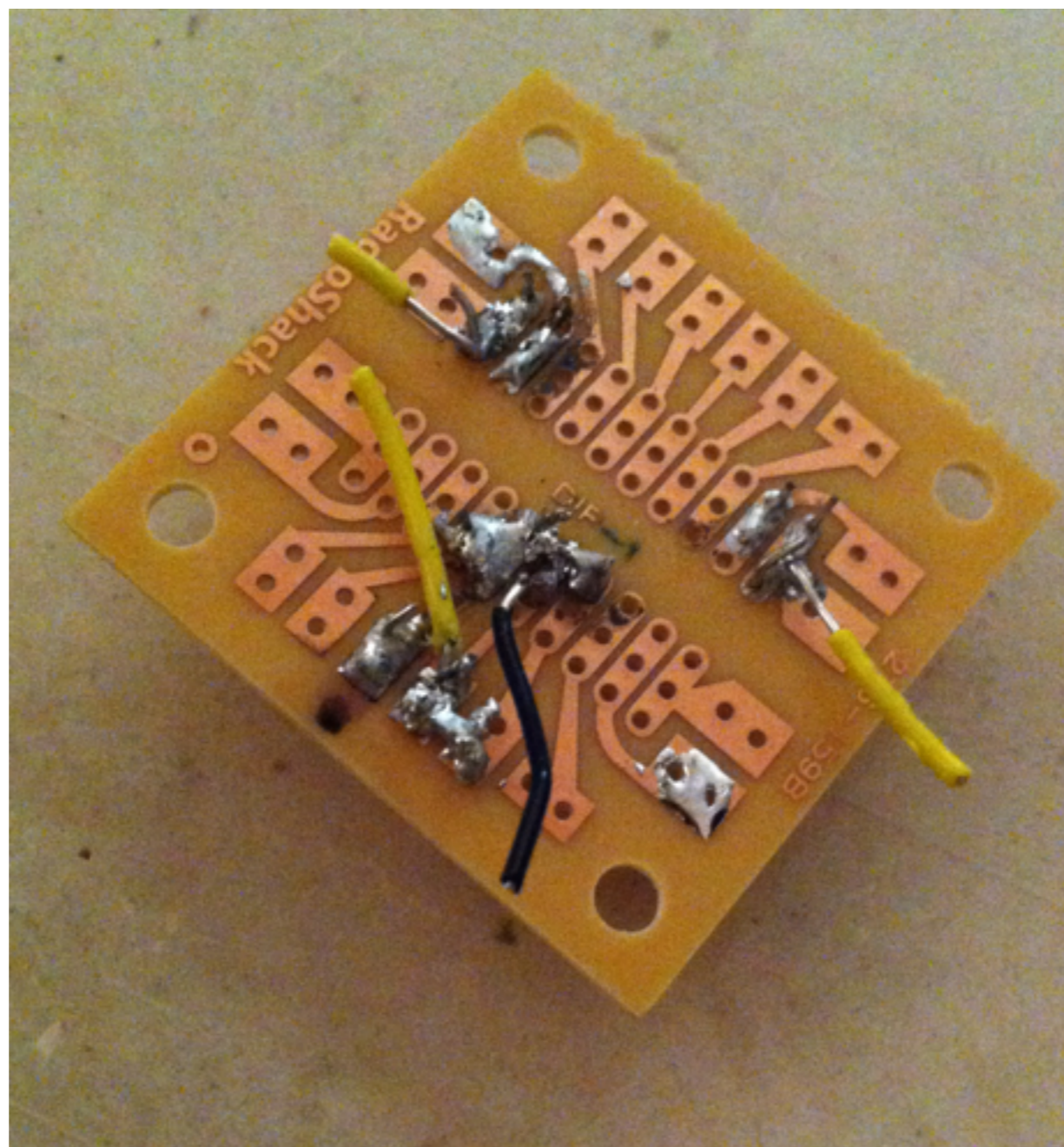
Robert Faludi

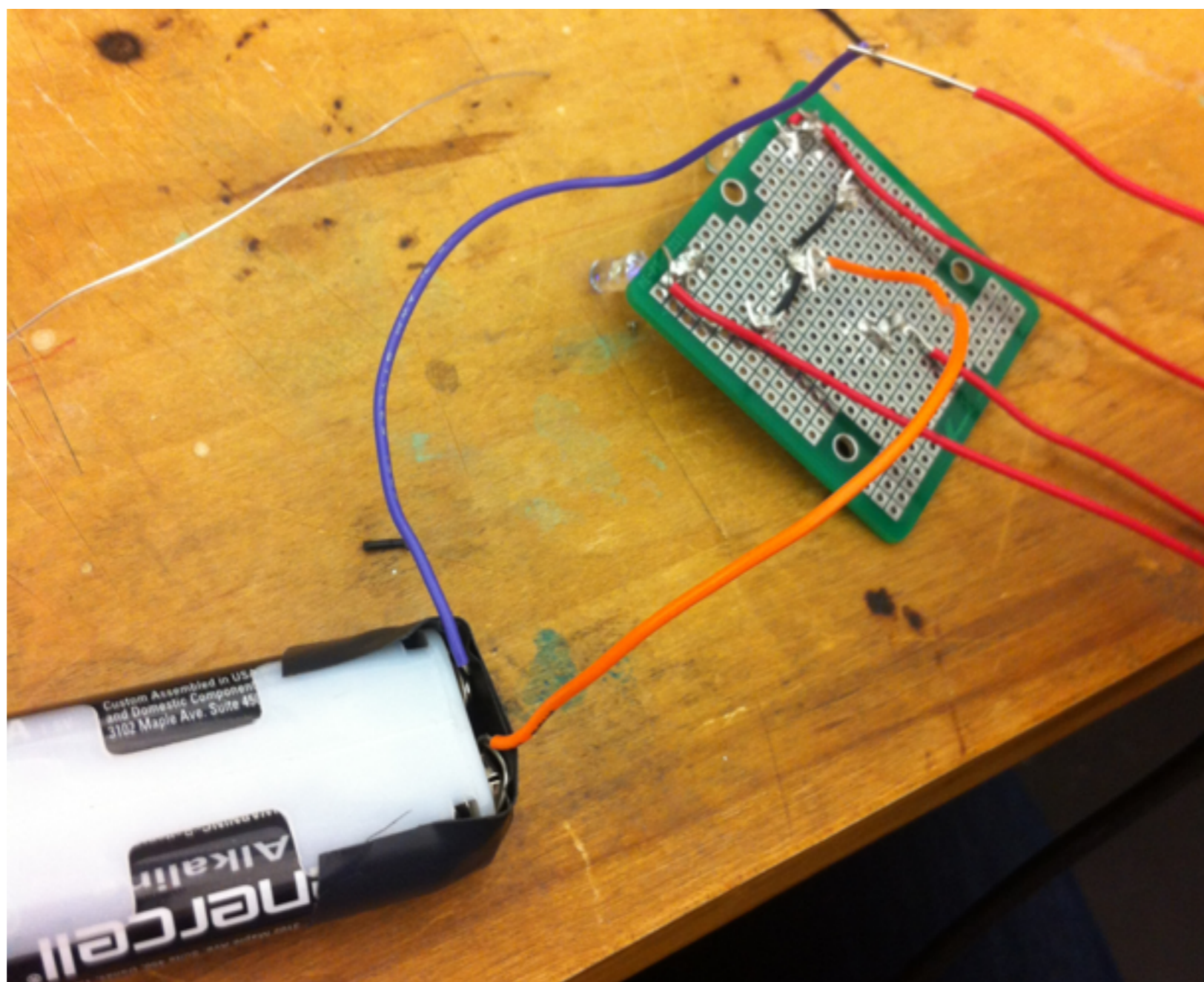


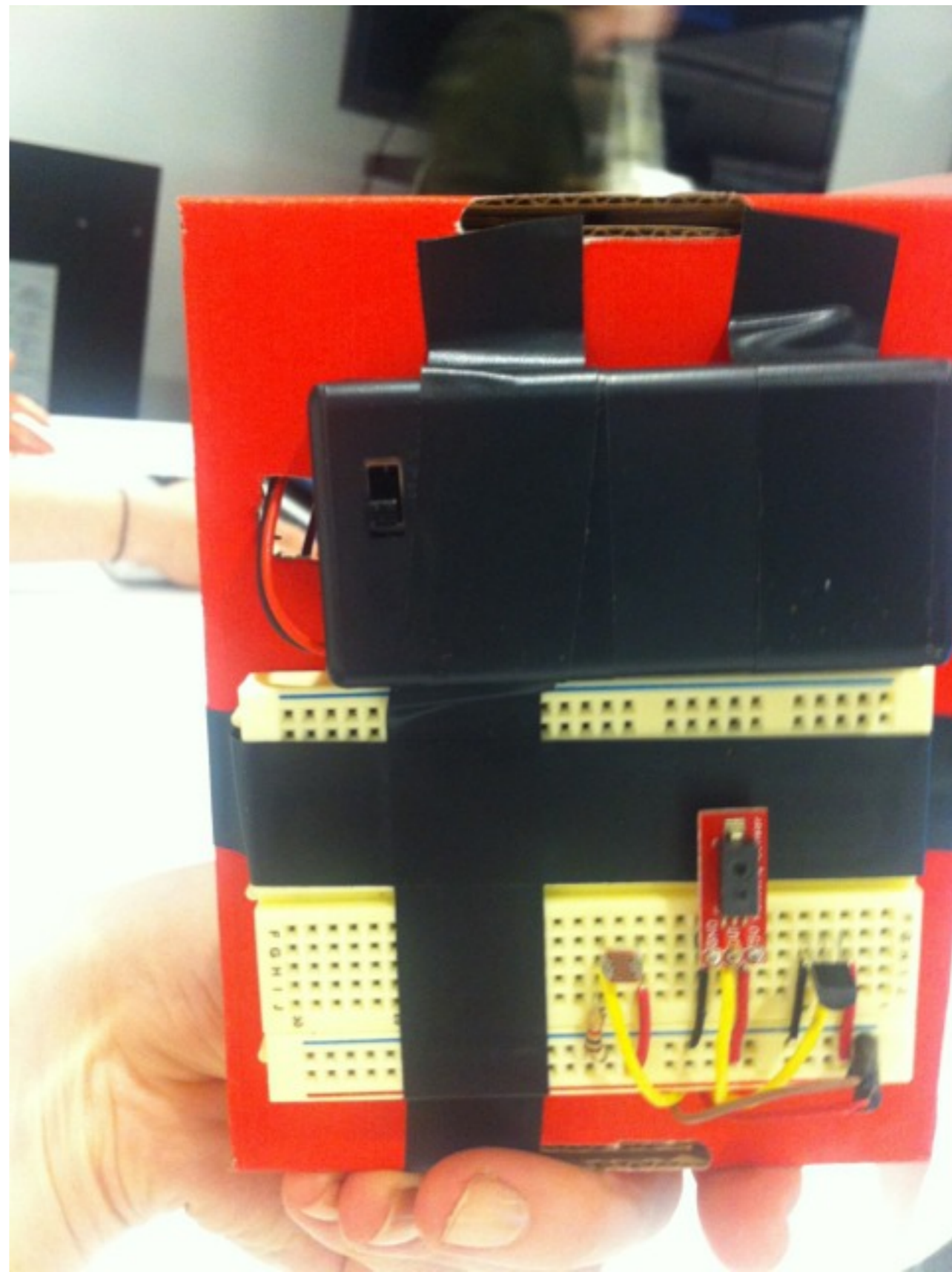












Check it out!

*Don't forget
your...*



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your...*



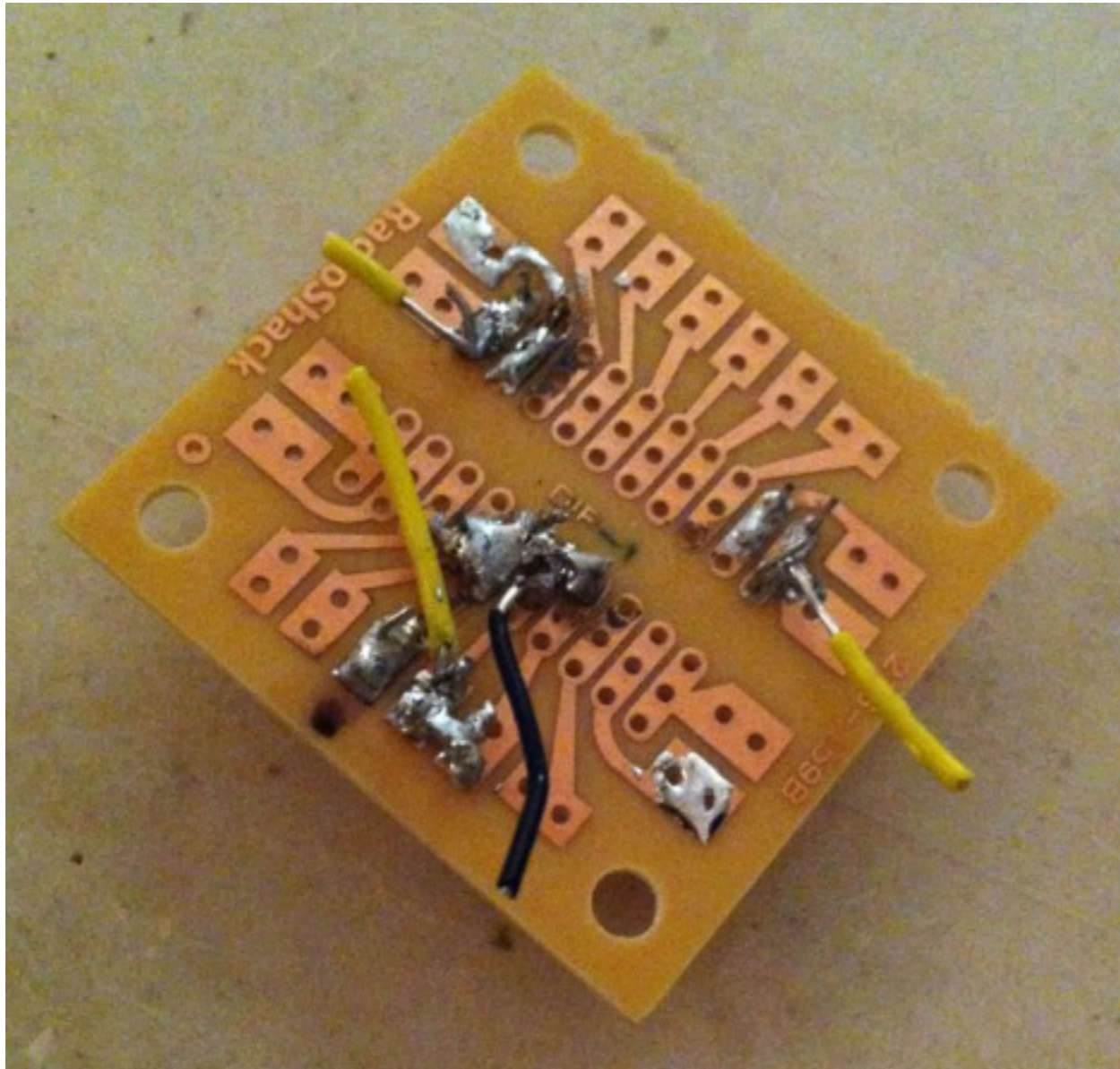
So what did I learn?

XBee might be impossible without a PC
(but it's super fun getting two to "chat")

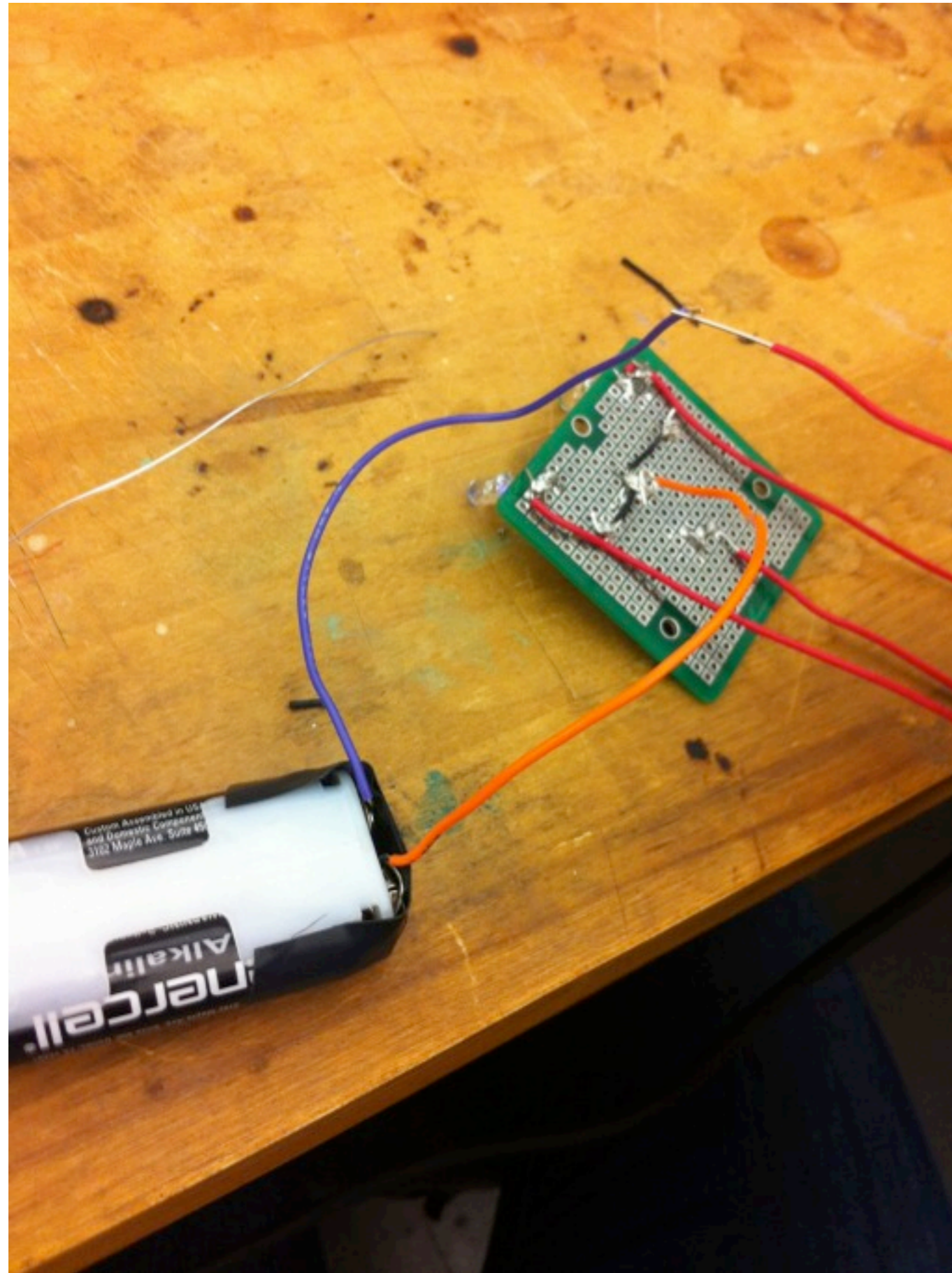
**and they are programmed
using "AT" commands,**

which is a totally different than Processing and CSS.

Less is more when it comes to sauter.



(not my finest moment)



But mostly:
check conductivity
as you go!

Goals for my next iteration

Incorporate XBee,
since I ran out of time with this iteration.

Upgrade the enclosure:

one weather proof version, one indoor version.

Add additional alerts + sensors
*such as a house key reminder with a
hall effect sensor.*

Do more testing

and update the prototype accordingly.

Thanks!