Ian Daniher

itdnhr.com/whoami
it.daniher@gmail.com
513 290 4942

1000 Olin Way
MB 708
Needham, MA

Franklin W. Olin College of Engineering **Graduating May 2013**
Candidate for Bachelor of Science in Electrical and Computer Engineering.
Relevant Courses: Intro to Control Theory, Real World Measurements, Mechatronics, Embedded Linux Independent Study, Probability and Statistics.

Work Experience

Embedded Device Consultant **Summer 2010 – Present**
Working with dept. chair at local hospital to develop proof of concept and prototypes of an innovative camera system for laparoscopic procedures.

Medical Robotics Design: Consultant **Summer 2010 – Present**
Working with dept. chair at local hospital to develop proof of concept and prototypes of an innovative camera system for laparoscopic procedures.

OLPCinci XO Repair Center: Founder **Summer 2008 – Present**
Designed and implemented a stop-gap supply chain for repairs in the US for a period of five months and created a model implemented in four other locations. Continue to handle repair requests from individuals across the US.

Protohat: Co-Founder **Spring 2010 – Fall 2010**
Started a rapid prototyping and product design business. Spent 50hrs/week over summer working with AVR microcontrollers, embedded C, and usergroups. See www.protohat.com for more information.

SCOPE: Embedded Devices Design Consultant **Sept. 2009 – Nov. 2009**
Hired by the Mathworks senior capstone team to assist in embedded device development. I directly facilitated the creation of preliminary specification documents and part selections.

Embedded Device Design Project: Partner **Summer 2007**
Contracted to develop a small microcontroller-based project involving timed electro mechanical systems for a special effects business. We successfully delivered a prototype and reference design.

Volunteer Experience

Olin College ECE Stockroom Manager **Fall 2010 – Present**
Placed in charge of managing the electrical and computer engineering stockroom. Coordinate and submit weekly Digikey orders, as well as provide consulting to student projects on part selection and system design.

DIYBio-Boston: Contributor **Spring 2010 – Fall 2010**
Worked with head of Boston DIYBio group to develop a CNC 3-axis microscope with 100μm resolution for the construction of time-lapse videos, panoramas, and culture counts.

IEEE: Chapter Corporate Liaison **Oct. 2009 – Present**
Responsible for fostering relationships with companies in the electrical and computer engineering sectors.

Presenter at Educational Conferences **Summer 2010**
Over the summer of '10, I presented at FOSSed, EdCamp Keene, and LinuxCon about my work with SugarLabs, Open1to1, and the Arduino platform.

One Laptop Per Child: Support Gang Member **Sept. 2007 – Present**
Provide customer support to owners of XO Laptops. Personally have assisted over 100 individuals in resolving technical/logistical difficulties.

Science Olympiad: Team Leader **School Year 08-09**
Lead the 08-09 CHCA Science Olympiad team of 20 students to 8th place out of 22 teams.

-skilled with Linux systems, Python, and soldering irons.
-competent with embedded C and a variety of handtools.
-learning Solidworks, Altium PCB Layout, and use of mill / lathe.