William Grossman

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Education:

Stanford University - MS Mechanical Engineering 11' (Focus in Mechatronics)
University of California, Berkeley - BS Mechanical Engineering 09'

Experience:

Mechatronic Design
- ME 218ABC (SPDL) - Embedded system and electromechanical design
- Lots of embedded C experience in several IDEs (Codewarrior, MPLab, TI Workbench)
- Platforms: TI, PIC, Motorola, Arduino

Apple iPod Accessories Firmware Intern
Apple Inc, Cupertino Ca *Summer 2010*
- Managed a large embedded C project started by previous intern
- Integrated new features into project and fixed bugs with previous features
- Interfaced with an EE intern in order to develop the hardware alongside the software
- Designed and implemented a communication protocol to interface the project to a computer
- Software will be used to test all Apple headphones on assembly line

Graduate Student Instructor
UC Berkeley and Stanford *Fall 2008 - Spring 2011*
- Cumulative of 3 years worth of teaching Physics, EE, and ME courses
- Managed an EE lab with 16 computer stations/scopes/power supplies (ME 218 TA)
- Debugged issues with equipment and assisted students with HW/SW design and implementation
- Developed mechanical and software infrastructure for final project (please see website)
- Held discussion sections and lab sections and helped students with all facets of the class
- Served as interface between students and professor
- Took care of course administrative duties (while head TA at UC Berkeley)
- Oversaw other GSIs and held weekly meetings (while head TA at UC Berkeley)

Aeromechanical R/D Intern
Aerovironment, Simi Valley Ca *Summer of 2007 and 2008*
- Prototyped a new kind of micro-package delivery system for small UAVs
- Took project from initial concepts through final designs and testing
- Proved accurate delivery of payloads up to 100 grams
- Project received future funding
- Invited back next summer to work on UAV project developing a new airframe for military
- Designed enclosure and developed waterproofing technics for rugged battery interface for UAV

Chief Pilot/Hardware Technician
C3UV, Berkeley Ca *Spring 2006 , 2008, and Summer 2009*
- Piloted for demo's and software validation for UC Berkeley UAV research team
- Integrated 5 new UAV's (Bat IV's) into existing fleet
- Designed, prototyped, and integrated new hardware systems on UAVs

Awards:

Jarret Award
- Won most outstanding project in machine design

Skills:

Software - EAGLE, Matlab, Solidworks, LabView, G-Code
Shop and Material Experience - CNC, Mill, Lathe, Mold Making, Composites, Some Welding
Interests - Mechatronics, Private Pilot, Paraglider, Motorcycles, Extensive RC experience

Please visit my website for an up to date account of all of my past projects