

Ira Tibbitts

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EDUCATION

University of Utah 3.77 GPA Anticipated Graduation July 2011
- M.S. Mechanical Engineering
Utah State University 3.64 GPA May 2008
- B.S. Mechanical Engineering, Computational Emphasis
- Minor: Mathematics
Instrumentation, FEA, Fluids, Numerical Analysis, Material Science...
Brigham Young University Idaho 4.0 GPA May 2004
- S.A. Engineering

COMPUTER KNOWLEDGE

Software:			Languages:	
MS Office	SolidEdge	Mathematica	Fortran 90/95	C++
Ansys	Unigraphics	FEMAP	LabVIEW	Linux/Unix
			Visual Basic	MPI (parallel)

WORK EXPERIENCE

United States Air Force, Palace Acquires Program September 2008 to current
Systems/Mechanical Engineer for ICBM
Responsibilities: Assist Sr. Systems Engineers with oversight of ICBM system upgrades

ATK Launch Systems Group Summers 2006 and 2007
Propellants, Pyrotechnics, and Explosives R & D
Projects: Insensitive Munitions, Battleaxe, Reactive Materials testing, various tooling.

Juniper Systems, Inc. May 2004 to June 2005
Mechanical Engineer Intern
Projects: software development and validation, users-manual editing, sensor testing and calibration, data processing, modeling condensation within handheld computer case, material testing and documentation.
Equipment used: environmental chamber, oscilloscope, grain moisture/density sensor, temperature & humidity sensor, GPS, handheld computer with Windows OS, Bluetooth.

BYU-Idaho September 2003 to May 2004
Mathematics Tutor

Mountain West Electric Summer 2000
Apprentice Electrician

Various Farmers Summers 1994 to 2000
Farm Hand – move irrigation pipe, drive tractor, operate farm equipment

LEADERSHIP AND OTHER EXPERIENCE

Inter-Mountain Collegiate Cycling Conference Director Spring 2009 to current
USU Cycling Team President Fall 2005 to Fall 2008
Study Abroad Language Immersion Program in France Summer 2005
Two-Year Full-time Voluntary Service June 2001 to 2003
HS Student Body Officer

HONORS/AWARDS/ACHIEVEMENTS

Air Force Palace Acquires program, Collegiate Cycling Conference Champion, Eagle Scout, Top Honor Roll, National Honor Society, Idaho Top Scholar, Academic Scholarships at BYU-I and USU, 3rd place at State HS Basketball Championships