

Andrew Tracy

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EDUCATION:

Rensselaer Polytechnic Institute, Troy, NY B.S. Mechanical Engineering

May 2011

- Graduated summa cum laude
- Academic Citation: Outstanding Work in Mechanisms
- Academic Citation: Outstanding Work in Modeling and Analysis of Uncertainty
- Member of Tau Beta Pi, National Engineering Honor Society

PROFESSIONAL EXPERIENCE:

Senior Energy Analyst, Ascend Analytics, Boulder, CO

September
2011-
May 2014

- Oversaw complex, highly customized software deployments involving database, analytics, and front end components
- Managed client relationships by being the first point of contact on all software issues
- Designed and implemented business processes to improve efficiency, increase transparency, and enhance customer relationships

Lab Technician, Lighting Research Center, Troy, NY

Fall 2010-
Spring 2011

- Worked in testing lab with variety of electrical and mechanical equipment
- Tested products for World Bank with custom-built rigs and circuitry

Senior Counselor, YMCA Day Camp Norwich, Huntington, MA

Summer
2010, 2008

- Worked with one other counselor to supervise groups of 10-12 children
- Designed and organized bi-weekly theme day events
- Maintained active channels of communication and solved problems with other counselors, supervisors, and parents

Quality Coordinator, Olympic Manufacturing Group, Agawam, MA

Summer
2007

- Generated feasibility data through iterative R&D testing for new products
- Helped perform quality control tests on current products (tensile and shear tests on screws)
- Graphed project progress with Microsoft Excel

VOLUNTEER EXPERIENCE:

Director/Secretary, Solid State Depot (The Boulder Makerspace), Boulder, CO

January
2013-
January
2014

- Created organizational structure, bylaws, and operational procedures
- Organized workshop space and implemented safety protocols
- Recorded minutes and posted online for all public meetings
- Designed and built membership database in PHP and MySQL

TECHNICAL SKILLS:

- Microsoft Office Suite, with emphasis on Excel
- 3D modeling: Solidworks, AutoCAD 123D, NX, OpenSCAD
- Programming: MATLAB, BASIC, C, Java, Python, SAS, SQL
- Basic machine shop skills
- Basic electrical skills