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
- Performed 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