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 multiple client relationships by being the first point of contact on all software issues
- Designed and implemented business processes to improve efficiency, increase transparency, and improve customer relationships

Director/Secretary, **Solid State Depot,** 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

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

TECHNICAL SKILLS:

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