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: Tau Beta Pi, National Engineering Honor Society

PROFESSIONAL EXPERIENCE:

***Energy Analyst,* Ascend Analytics,** Boulder, CO — September 2011-Present

- Oversee complex, highly customized software deployments involving database, analytics, and front end components
- Manage multiple client relationships by being the first point of contact on all software issues
- Design and implement business processes to improve efficiency, increase transparency, and improve customer relationships

Lighting Research Center, Troy, NY — Fall 2010-Spring 2011

- Worked in testing lab with variety of 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

RELEVANT COURSEWORK:

Modeling and Control of Dynamic Systems — Spring 2010

Modeled dynamic first- and second-degree systems and controllers to track single inputs and react to disturbances. Worked in lab with MATLAB.

Embedded Control — Fall 2009

Built circuitry for and programmed a car and blimp to interface with hardware and autonomously drive/fly within specified boundaries.

TECHNICAL SKILLS:

- Microsoft Office Suite, with emphasis on Excel
- UGS NX 3D modeling software
- Programming: MATLAB, BASIC, C, Java, Python, SAS
- Basic machine shop skills