

NATHANIEL MOONEY

School:

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Objective

To make a contribution through a full time position in a mechanical engineering firm that will enable me to gain a further understanding in the field and build marketable skills.

Education

The Pennsylvania State University, University Park, PA.

2008-Current

Major: Architectural Engineering Option: Mechanical

Graduation: May 2013

GPA: 3.14

B.A.E (Accredited: ABET)

Weston High School, Weston, MA.

2005-2008

Graduated GPA 3.54

Current Classes

- Technical Writing
- Process Quality Engineering (Statistics)
- Advanced Acoustics
- Load/Energy Simulation

Relevant Courses

- Graph & CAD
- HVAC Fundamentals
- Architectural Design Analysis
- Fundamentals of Electrical and Illumination Systems
- HVAC Control Systems
- Intro to Structural Analysis
- Building Structural Systems
- Advanced Architectural Acoustics and Noise Control
- Intro to Building Industry
- Building Solar Energy Design
- Advanced HVAC

Work Experience

- | BR+A | Watertown, MA | Mechanical co-op | Summer 2011 & Summer 2012 |
|---------------------|--|-------------------------|--------------------------------------|
| | <ul style="list-style-type: none">• Provides a number of services to healthcare, research, academic and corporate clients nationwide.• Formatting proposed and baseline building energy models in TRANE Trace.• Verified building spaces reached the criteria of ASHRAE Standard 62.1.• Verified that buildings may receive various LEED credits for environment quality.• Worked with AutoCAD and Revit to design demolition and new part plans for mechanical rooms. | | |
| LandsCapeCod | Harwich, MA | Landscaper | Summer 2009 |
| | <ul style="list-style-type: none">• Coordinated with a team of workers to design, construct and maintain lawns, gardens and irrigation systems.• Managed mowing routes to complete client's lawns in a timely manner. | | |

ACTIVITIES/INTERESTS

- | | |
|---|--------------|
| Rugby | 2005-2008 |
| Captain (Middlesex Youth Rugby Football Club) | 2007-2008 |
| Penn State Rugby Football Club | 2008-2011 |
| Boston Men's summer 7's | 2012 |
| ASHRAE | 2011-Current |
| Event Coordinator | Current |

TECHNICAL SKILLS

Software: Microsoft Office; AutoCAD; Revit; Trace; MATLAB; EES