

Lindsey Machamer

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100 Institute Rd., Box 2344
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OBJECTIVE: A Full Time Entry Level Position in Civil Engineering or Environmental Studies

EDUCATION: **Worcester Polytechnic Institute**, Worcester, MA May 2013

- Bachelor of Science in Civil Engineering •
- Bachelor of Arts in Environmental Studies •
- GPA: 3.8 • Dean's List 2010-2012 • Tau Beta Pi • Chi Epsilon •
- Passed the Fundamentals of Engineering Exam, October 2012 •

RELEVANT COURSEWORK: • Analytical Mechanics I-III • Environmental Analysis • Environmental Engineering • Environmental Policy and Law • Electric Power Systems • Fluid Mechanics • Global Environmental Studies • Hydraulics • Interdisciplinary Environmental Studies • Land Use Development • Materials of Construction • Project Evaluation • Surveying • Sustainable Solutions in Civil Engineering • Urban and Environmental Planning •

PROJECTS: **Major Qualifying Project – Rutland, MA** Sept 12-Present

“Treasure Valley Scout Reservation Sustainability”

- Analyze and identify sites for future developments including buildings and other facilities
- Propose a long term plan for sustainable development of the Reservation
- Develop a feasible off-grid solar system for use by the Boy Scouts

Interactive Qualifying Project – San Jose, Costa Rica Sept-Dec 2011

“An investigation of wastewater treatment option for Fátima, Costa Rica”

- In Fátima, 30 homes discard their wastewater into the river.
- Assessed the perceptions of the residents regarding pollution in the river
- Proposed the most viable wastewater management option for Fátima

Great Problems Seminar – Power The World Oct-Dec 2009

“Energy In Motion”

- Proposed that WPI use energy generating exercise machines in the athletic facility
- Analyzed data and technologies to come up with energy and price estimates
- The plan promoted education and sustainability for the WPI campus

WORK EXPERIENCE: **Business Development Intern**, Nexamp, Inc., Boston MA May 12- Aug 12

Engineering Intern, MassDOT District 5, Taunton MA May 11- Aug 11

Peer Learning Assistant, WPI Civil Engineering Dept., Worcester MA Jan 12- Present

Student Caller, WPI Alumni Office, Worcester MA Sept 09- Present

SKILLS:

- Surveying equipment (Theodolite, Level, Total Station)
- Software: GIS, AutoCAD, Microsoft Office (Word, Excel, PowerPoint, Publisher), Adobe Photoshop and Premier Elements

ACTIVITIES:

- WPI Chi Epsilon, *Vice President* 2012-Present
- WPI Student Green Team, *Secretary* 2010- Present
- PositiveLY, WPI's positive body image group, *Founding member* 2012- Present
- WPI Society of Women Engineers 2009- Present
- Women Industry Network 2010- 2011
- Relay For Life, *Team Captain* 2007-2012