

Lauren M. Biscombe

167 Woodstream Dr.
Norristown, PA 19403

laurenbiscombe@gmail.com
610 613 0875

EDUCATION

Leland Stanford Junior University

Candidate for Master of Science in Structural Engineering, June 2011

*Stanford, CA
GPA: 3.854/4.0*

Massachusetts Institute of Technology

B.S. in Civil Engineering, June 2009

*Cambridge, MA
GPA: 4.9/5.0*

Relevant Coursework:

Performance-Based Earthquake Engineering, Building Information Modeling, Structural Design and Analysis (steel, concrete), Engineering for Sustainability, Solid and Fluid Mechanics, Materials Testing, Probability and Statistics, Project Evaluation (economics), and Game Theory.

EXPERIENCE

Research Assistant

Sept. 2010 - present

Professor Sarah Billington and PhD student Daniel Moreno-Luna, Stanford

Construct, test, and model Engineered Cementitious Composite (ECC) columns and dogbones.

Tsunami Vertical Evacuation in Padang, Indonesia Independent Study

Jan. 2010 – present

Engineers for a Sustainable World (ESW), Stanford Chapter

Learn about evacuation options, earthquake and tsunami hazards, and design in the developing world.

Work with Stanford and Indonesian students on organizing building survey data, creating pamphlets about evacuation and vulnerability for engineers, planners, and the public, and creating a preliminary checklist for the evaluation of potential tsunami evacuation structures.

Geotechnical Laboratory Assistant

June 2007 - June 2009,

Dr. John T. Germaine's Geotechnical Laboratory, MIT

July - Aug. 2010

Performed and trained others in various strength, consolidation, and index tests (Constant Rate of Strain, Direct Simple Shear, hydrometer, specific gravity) on soil samples from around the world.

Structural Engineering Intern

January 2009

Figueiredo Ferraz Consultoria e Engenharia de Projeto S.A., São Paulo, Brazil

Explored methods of creating tunnels and gained experience with structural analysis program STRAP.

AWARDS

Leland Stanford Junior University:

School of Engineering Graduate Fellowship/Blume Earthquake Engineering Center Research Assistantship

Massachusetts Institute of Technology:

Steinberg Prize, Vice President of Chi Epsilon (Civil Engineering Honor Society), member of Tau Beta Pi (Engineering Honor Society), Edward W. and Lena M. Winslow Memorial Scholar, Howe-Walker Award

Norristown Area High School:

Salutatorian, WPVI-TV 6ABC Best of the Class of 2005, SWE Highest Honors in Science and Mathematics, Rensselaer Medal, Student in MIT's Women's Technology Program (2004), Elks National Foundation Most Valuable Student

INTERESTS AND SKILLS

Earthquake engineering, disaster preparedness, travel, languages (intermediate Spanish, beginner Portuguese, learning Bahasa Indonesia), former member of MIT's Steel Bridge team, tutoring, programming (Java, C#, Matlab), and structural engineering/architectural software (Mastan, Revit, SAP, DIANA)