Simmy Willemann

77 Massachusetts Avenue
Cambridge, MA 02139

1.914.316.5714
simmyw@mit.edu

EDUCATION

Massachusetts Institute of Technology (MIT), Cambridge, MA — GPA 4.7/5.0
Master of Science in Transportation Candidate, Civil and Environmental Engineering — 2013
Master of Science in Mechanical Engineering Candidate, Mechanical Engineering — 2013
- Wilbur N. Landers Scholar, ASNE 2011 Scholarship Recipient
- Persuasive Electric Vehicle Team for Mobility-on-Demand, MIT Media Lab
- Digital-Pixel Focal Plane Array Team in MIT Innovation Teams with Lincoln Laboratory

Webb Institute, Glen Cove, NY — GPA 3.6/4.0
Bachelor of Science in Naval Architecture and Marine Engineering — 2010
- VP of Webb Student Organization, Crowley Scholar, SNAME and ASNE scholarships recipient

EXPERIENCE

Massachusetts Institute of Technology (MIT) — Cambridge, MA
Teaching Assistant for Innovation Teams — *July 2012– Present*
- Coordinated student teams and MIT labs to assess commercial potential of breakthrough technologies.
- Assisted faculty with teaching-related duties including syllabus development and grading papers.

Norbridge, Inc. — Concord, MA
Associate — *July 2012 – Aug 2012*
- Consulted in supply chain management strategy for a client. Collaborated with a partner to manage RFP bids, negotiate with distributors, analyze and interpret results, and plan future savings scenarios.

Massachusetts Institute of Technology (MIT) — Cambridge, MA
Research Assistant to Professor Henry S. Marcus — *Aug 2011 – June 2012*
- Analyzed impact of market factors and variability on design for ABS Innovative Tanker Design Study.
- Developed scenario planning tool for shipowners to improve operations and maximize return.

Applied Physical Sciences Corporation — Groton, CT
Engineer — *Sep 2010 – July 2011*
- Simulated two-body seakeeping motions and numerically modeled vessel geometry and wave field.
- Conducted experimental testing of wind turbines and finite element analysis on innovative structures.

Elliot Bay Design Group — Seattle, WA
Marine Eng. and Naval Architecture Intern — *July – Aug 2009*
- Designed a 3-D model in Rhino 4.0 of the Floating Surface Collector for Puget Sound Energy.

ADDITIONAL EXPERIENCE

- ***Maritime Software Intern,*** **Herbert Engineering Corporation,** Shanghai, China — *Jan – Feb 2010*
- ***Naval Architecture Intern,*** **Guido Perla & Associates,** Seattle, WA — *Jan – Feb 2009*
- ***Electrical Engineering Intern***, **HDR**, New York, NY — *July – Aug 2008*
- ***Sustainability Research Intern,*** **Columbia University,** New York, NY — *July – Aug 2008*
- ***Engine and Deck Cadet,*** **Stolt-Nielsen,** Atlantic Ocean — *Jan – Mar 2008*

COMPUTER SKILLS

MATLAB, Java, Python, Fortran 90, MS VBA, Rhino 4.0, AutoCAD 2008, Mathcad 14, Maple, Abaqus FEA, GHS 11.0, HECSALV, Final Cut Pro, Adobe Photoshop & InDesign

MEMBERSHIP

ASCE, ASNE, IEEE, MITCE, MIT Energy Club, MTS, SNAME, Webb Alumni Executive Committee