

# DAN NICKERSON

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11 Garfield Ave | Somerville, MA 02145 (860)-449-4414

## EDUCATION

**Tufts University**, Medford, MA

Bachelor of Science in Mechanical Engineering

Graduation May 2015

Minor in Economics

**GPA:** 3.18 Dean's List 5/8 semesters

**The Williams School**, New London, CT  
2007-May 2011

September

## RELEVANT COURSES AND PROJECTS

Power Generation Systems, Manufacturing Processes, Modern Quality Control, Engineering Materials, Machine Design, Mechanical Design and Fabrication, Inventive Design, Engineering Graphics, Fluid Mechanics, Thermodynamics, Heat Transfer, Dynamics and Vibrations, Mechanical Statics and Dynamics, System Dynamics and Controls, Intro to Computer Science, Financial Economics

**Senior Design Project:** Researched, designed, and fabricated a working prototype of a thermoelectric cooling boot for horses to help fight off laminitis.

## WORK EXPERIENCE

**BeON Home**, Cambridge, MA  
2015

Summer 2014 – March

*Mechanical Engineering Intern*

- Designed and edited mechanical and electrical LED light bulb parts, assemblies and drawings in SolidWorks
- Assisted the Principal Engineer in the design and testing of LED light bulb components

**New England Science and Sailing**, Stonington, CT  
*Small Craft Waterfront Director/Race Coach*  
Summer 2013

- Presided over all on-the-water programs

*Sailing Instructor/Race Coach*  
Summer 2009-2012

- Developed daily/weekly lesson plans with co-workers
- Taught kids ages 6-17 on the basics of sailing through advanced racing topics

## SKILLS

**Applications:** SolidWorks, AutoCAD

**Programming:** C++, Mathcad, MATLAB, LabView, R

## ACTIVITIES

**Tufts Varsity Sailing:** Current Captain, Member 2011-Present

- Dedicated 30-40 hours/week to practice, meetings, and events

**ASME:** Member, 2013-Present

**ATO of Massachusetts:** Member, House Manager, 2012-2014

- Repair and improve fraternity house; fix and hang doors, repair and replace appliances, refinish floors
- Communicate with contractors to schedule major house repairs