

EDUCATION

Tufts University, School of Engineering (Medford, MA), 2010-2014
Bachelor of Science in Electrical Engineering
GPA: 3.35, Dean's List

Greenwich High School (Greenwich, CT), 2006-2010
GPA: 5.04, Salutatorian from a class of 700+ students

PROFESSIONAL EXPERIENCE

SourceOne, Inc. (energy consulting), Boston, MA
Engineering Intern, summer 2013

- Design of a microgrid for a town to improve system reliability
- Execution of an arc flash study for a hospital to improve safety
- Analysis and improvement of sub-metering methodologies for a mall
- Design and conception of various software and hardware solutions

Intern, summer 2012

- Analysis of new potential customers and markets
- Development of proposals and new marketing materials
- Identification of solution for replacing collapsing natural gas pipeline in Boston Harbor

Torqmaster International (constant torque friction hinge design and production), Stamford, CT
Engineering Intern, summer 2011 and winter 2012

- Design and construction of machines for the manufacturing and quality control of friction hinges
- Design and implementation of production line systems

Hathaway, Raiser and Raymond (sail makers), Stamford, CT
Intern, summer 2010 and winter 2011

- Construction of custom sails to maximize performance for sailing vessels

Mari-Cha III (145 foot Super-yacht), Mediterranean Sea
Crew Member, summer 2009

- Assistance in racing regatta and upgrading of electronics system

ACCOMPLISHMENTS AND INTERESTS

Projects:

Delay Tolerant Networks for Electric Vehicles — design and prototyping, 2013 to present
Analysis of Emissions from Electronic Devices — published paper, 2013
Internet Enabled Home Automation System — design and production, 2013
Electric Power Meter with Internet Capabilities — design and production, 2013
Swarm-bot for Simulated Chemical Detection — design and construction, 2013
Signaling Horn for Sailing Regattas — consulting on design, 2013
Analog Radio Transmitter — construction, 2012
Hardware Version of Fall Up Game — design and implementation using digital logic chips, 2011

Extracurricular:

Tufts Wireless Labs — member, 2013 to present
IEEE — member, 2012 to present
Certified ISO 9001-2008 internal auditor, 2011 to present
Sigma Nu Zeta Eta Fraternity — Pledge Marshall and Rush Chair, 2011 to present

Athletics:

Tufts University Varsity Sailing Team — member, 2010 to present
30ft Racing Sailboat — double handed long distance skipper and crew, 2008 to present

SKILLS

Languages: Fluent in French and proficient in Spanish

Computer Languages: Proficient in C++, C, C#, VBA, HTML, assembly language, VHDL

Computer Programs: Proficient in Arduino, MATLAB, LTSpice, AutoCAD, SolidWorks, Adobe Photoshop, Visual Studio, Visio, and Microsoft Office