

## EDUCATION

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**Tufts University**, School of Engineering (Medford, MA), 2010-2014

Bachelor of Science in Electrical Engineering

GPA: 3.33, Cum Laude

**Greenwich High School** (Greenwich, CT), 2006-2010

GPA: 5.04, Salutatorian from a class of 700+ students

## PROFESSIONAL EXPERIENCE

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**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

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### Projects:

Delay Tolerant Networks for Autonomous Robotic Vehicle Charging — design and prototype, 2013 to 2014

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 2014

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 2014

### Athletics:

Tufts University Varsity Sailing Team — member, 2010 to 2014

30ft Racing Sailboat — double handed long distance skipper and crew, 2008 to present

## SKILLS

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**Languages:** Fluent in French and proficient in Spanish

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

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