

# Andrew Carp

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## EDUCATION

**Tufts University**, Medford, MA  
**Hong Kong University**, Hong Kong, HK (*Spring 2014 Exchange*)  
Bachelor of Science Computer Engineering expected May 2015  
Dean's list, Pacific Gas and Electric InspirAsian Scholarship  
GPA: 3.15

## COMPUTER/ELECTRONICS SKILLS

**Hardware:** Computer Architecture, Microprocessors, Embedded Systems and Microcontrollers, Memory and I/O Systems, VLSI Design, PCBs, Arduino, Oscilloscopes, AC and DC power supplies, Electric Vehicle Systems, Logic Chips, FPGAs, Diodes, Transistors, Amplifiers, Filters, Speaker Systems

**Software:** MATLAB, LTspice, Cadence, ModelSim, CANalyzer, Logisim, AutoCAD, Microsoft Visio, Mathcad, Microsoft Office Suite, Tableau, CANDela, DOORs, JAMA

**Programming languages:** C++, C, Assembly, VBA, MATLAB, VHDL, HTML, CSS

## RELEVANT COURSEWORK AND PROJECTS

**Software:** Operating Systems, Data Structures and Programming in C++, Unix System Administration

**Analog:** Microelectronics I and II, Analog Circuits, Introductory Circuits

**Digital:** VLSI Design, Computer Architecture, Microprocessor Architecture, Digital Logic

**Design:** Mobile Medical Devices and Applications, Senior Design

## EXPERIENCE

**Tesla Motors** - *Engineering/Systems Integration Intern*, June 2013 - August 2013

- Constructed Model S testing environments with Python and Veristand
- Debugged vehicle's body controls and embedded systems, updated Model S specifications

**Institute for Electrical and Electronic Engineers** - *Publicity Manager and Treasurer*, May 2012 - May 2013

- Managed budget for Tufts IEEE, led group marketing and outreach efforts

## LEADERSHIP

**Tufts Admissions** - *Tour Guide and Blogger*, November 2012 - Present

- Give tours and speak about Tufts University to prospective students and families
- Write Tufts engineering admissions blog (<http://admissions.tufts.edu/blogs/jumbo-talk/author/andrew-carp/>)

**DivcoWest** - *Analyst Intern*, July 2014 - August 2014

- Gathered, analyzed, and presented data from various U.S. commercial real estate markets

**Tufts Entrepreneurs Society** - *Internal Communications Director*, January 2012 - January 2013

- Organized events for Tufts Entrepreneurs Society, control group news, emails, and social media marketing

**Gbreecycle** - *Business Development Intern*, January 2012- June 2012

- Marketed startup company's entry into Tufts University