

# Spencer Lee

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## **Education**      **University of Pennsylvania, School of Engineering and Applied Science**

Philadelphia, PA

Candidate for Bachelor of Science in Engineering, May 2014

Major: Computer Engineering

Cumulative GPA: 3.88/4.0

**Relevant Coursework:** Introduction to digital circuit design, introduction to analog circuits, introduction to computer architecture, introduction to computer algorithms and data structures, software engineering, micro-controllers, operating systems, circuit level modeling and design, linear algebra, engineering statistics, Unix skills

**Honors:** Tau Beta Pi (2012-Present), Rachleff Scholar (2011-present), Dean's List (2010-2011), Penn Undergraduate Research Mentoring Program selected participant (2011), Research Peer Advisor (2012).

## **Experience**

- Research Assistant, Dr. Daniel Lee, Professor in Electrical and Systems Engineering and Bioengineering, GRASP Lab, University of Pennsylvania, Summer 2011-Present
  - Worked with bipedal robots to improve behavior, localization systems, locomotive stability, and computer vision. Programmed in Lua and maintained an extensive codebase through the Git version control system.
- Participant in RoboCup 2011, Istanbul and RoboCup 2012, Mexico City
  - Annual international conference concerning artificial intelligence, computer vision, localization and locomotion of humanoid robots.
- Teaching Assistant, University of Pennsylvania
  - *Software Engineering*, Spring 2013
  - *Introduction to Computer Architecture*, Fall 2012
  - *Introduction to Analog Circuits Laboratory*, Fall 2012
  - *Introduction to Digital Circuit Design*, Spring 2012, 2013
  - *Introduction to Digital Circuit Design Lab*, Spring 2012, 2013
  - *Introduction to Java Programming*, Spring 2011, Fall 2011

## **Computer Skills/ Languages**

- Java, C++, Lua, Python, C, Matlab, Bourne Shell
- SQL: Oracle DB, MySQL, SQLite
- HTML, JavaScript, JQuery and Python flask development framework
- Xilinx development suite, Electric, SPICE, VHDL, Verilog
- Android Development SDK
- Git, SVN

## **Activities**

- *Initiation Chair*, Tau Beta Pi, University of Pennsylvania, Spring 2013 - Present
- *Member, Captain*, UPennalizers RoboCup team, University of Pennsylvania, Summer 2011-Present
- *Rachleff Scholar*, Webmaster, University of Pennsylvania, Summer 2012-Spring 2013
- *Volunteer*, Freshman Orientation Peer Advisor Fellow, University of Pennsylvania, Summer-Fall 2012