

## Li Heng (Henry) ZHU

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### EDUCATION

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2012-Present University of California, Los Angeles **expected, June 2016**  
B.S. in Electrical Engineering

#### GPA:3.73

Dean's Honor List in 2013 (Spring, Fall) 2014 (Spring, Fall)

2009-2012 High School Affiliated to Fudan University, Shanghai, China **GPA: 4.0**

Honor Societies: Electrical and Computer Engineering Honor Society (Eta Kappa Nu)

Graduate Record Examination: 157(verbal) +167(quantitative)

### Experience

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**Ozcan Research Lab assistant** **Sept 2014-Present**

· Learn and use AutoCad and 3D engineer for 3D printer design

**UCLA IEEE NATCAR PROJECT** **Sept 2013- Present**

- Worked in a team to present a design review, including bill of materials, and a schedule of milestones
- Used Linear Regulators for power regulation from a 7.2V NiCd battery into a 5V supply
- Worked with another team members to develop advanced software algorithms and hardware circuits, including circuits for H-bridge motor and magnetic sensor, for line detection and navigation on the Mbed platform

**UCLA IEEE OPEN SPACE PROJECT (OPS)** **Sept 2012-June 2013**

- Developed the Digital Synthesizer Project with teammates
- Learned and implemented electronics fundamentals (e.g, capacitors, 555 timer, op-amp, PSoC, circuit basics)
- Designed PCB USB battery charger in EAGLE

**UCLA SIGNAL AND PROCESSING MATLAB PROJECT** **April 2014- Present**

- Design low pass filter and high pass filter using discrete Fourier transformation
- Learned how to use Matlab to implement two and three-dimensional graphics and other related plot functions.

**UCLA COMPUTER SCIENCE 32 Battleship Project** **March 2013-June 2013**

- Using C++ language to write a computer version of the classic Battleship game. Battleship is a game that each player attempts to sink his opponent's fleet of ships before the opponent sinks his.
- Learned different classes and experienced how the Artificial Intelligence works while running the game

### Awards, Honors & Professional Membership

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**IEEE Student member** **Sept 2013- Present**

**UCLA HKN Treasurer** **Sept 2014 –Present**

**UCLA ESUC Social Chair** **Sept 2014-present**

**UCLA TEC Event Coordinator** **April 2014- Sept 2014**

### SKILLS

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· Programming language: Proficient in C++ and Matlab

· Design tools and embedded system: Arduino, Raspberry Pi, Mbed, AutoCAD for circuit design

· Language: Native in Mandarin, proficient in English