

# YUZHE SHENG

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## EDUCATION

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### UNIVERSITY OF CALIFORNIA, LOS ANGELES

Los Angeles, CA

#### Bachelor of Science, Mechanical Engineering

Expected June 2016

- GPA: 3.896
- Deans Honors List: 4 quarters

## EXPERIENCE

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### The Ozcan Research Group

Los Angeles, CA

*Researcher*

June 2015 to the present

- Modify and design parts of lens-free microscope. Also manufactured the designs using a 3D printer.
- Design new apparatus for the HBV anti-body chromogenic reaction experiment.
- Program using MatLab to analyze experimental data.
- Assisted supervisor in conducting optical, electrical, and biological experiments.

### The Amcor Flexibles Europe & Americas

Los Angeles, CA

*Engineer Internship*

Feb 2015 to June 2015

- Product specification creation and revisions.
- Gage R&R studies to comply with measurement system analysis (MSA) requirements.
- Statistical process control (SPC) on production lines.
- Assisted in consolidation/harmonization of standard operating procedures (SOP).

### The American Institute of Aeronautics and Astronautics (AIAA)

Los Angeles, CA

*Rocket Propulsion Team Member*

October 2014 to June 2015

- Collaborative research on pipe flow systems and cold flow testing for propellant.
- Practiced fuel filling processes.
- Problem-solving skills: optimized the dimensions of a mini rocket in SolidWorks to maximize thrust.

### UCLA Mechanical & Aerospace Engineering Department

Los Angeles, CA

*Reader and Grader for MAE 182A MAE 101*

Winter 2015 to the present

- Assisted professors in reading and grading the homework of 50 students.
- Enhanced command of the related knowledge of differential equations and the applications in engineering.

### Jinhua Chengtai Rural Cooperative Bank

Jinhua, China

*Manager Assistant*

June 2012 to August 2012

- Cooperatively developed 2 programs using C++ and Java to process and to secure data.
- Established professional relationships with entrepreneurs.

## LEADERSHIP

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### UCLA Engineering Mentorship Program (MentorSeas)

Los Angeles, CA

*Mentor*

Fall 2014 to the June 2015

- Provide guides for 8 mentees regarding courses and careers.
- Inform mentees of the latest technology advancements.
- Communicated personally with each student to ensure satisfying participation

### Jinhua Volunteers' Association—Jinhua Qiming Special Educational School

Jinhua, China

*Mentor, volunteer teacher*

March 2010 to July 2012

- Taught math and science to a class of 30 children with disabilities.
- Coordinated among regular schools and entrepreneurs for social fundraising events.

## SKILLS

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- **Language:** Mandarin (Native); English (Fluent).
- **Computer:** C++(proficient); Python(basic); Office Software(proficient); SolidWorks(proficient); MatLab(proficient);