



# Luzhe Huang

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## Education

CHU KOCHEN Honors College, Zhejiang University, Hangzhou, China

Sep 2015 - Present

- **Major:** Opto-Electronics Information Science and Engineering; **Minor:** Statistics

### Main Course:

- Electromagnetic Waves and Fields; Physical Optics; Optoelectronics; Applied Optics; Fiber Optics; Advanced Optical Manufacturing; Opto-electric Detection Technology and System; Electric Circuit and Analog Electronic Technology; Digital
- Circuit Analysis and Design  
Probability Theory; Mathematical Statistics; Multi-variate Statistic Analysis; Time Series Analysis; Regression Analysis; Stochastic Processes; Real Variable Function; Complex Variable Function; Ordinary Differential Equations; Partial Differential Equations; Computational Methods; Advanced Algebra; Mathematical Analysis
- GPA : 3.96/4.0 (91.87/100)
- Rank : 1% (three year)

## Awards

I have won National Scholarship for two consecutive years. I was granted Zhejiang University Special Scholarship in 2018, which is the supreme award for undergraduates in Zhejiang University. Our team won MATLAB Innovation Prize in 2017, and it is the top prize in CUMCM.

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| • National Scholarship   | Oct 2016 |
| • The First Prize Scholarship  | Oct 2016 |
| • The First Prize of National Mathematic Contest   | Oct 2016 |
| • The First Prize of Physics Innovation Contest in Zhejiang Province   | Dec 2016 |
| • <b>MATLAB Innovation Prize</b> (Special Prize) in CUMCM (China Undergraduate Mathematical Contest in Modeling) | Sep 2017 |
| • National Scholarship   | Oct 2017 |
| • CHU KOCHEN College Innovation Scholarship  | Nov 2017 |
| • <b>Zhejiang University Special Scholarship</b> (Supreme award for undergraduates)                              | Oct 2018 |
| • Lixin Tang Scholarship   | Oct 2018 |

## Research Projects

I have joined 5 research projects as a main contributor, and contributed to more projects, which are not listed here.

**Interests:** Computational Imaging, Biomedical Imaging, Machine Learning

<b>Calibration and Imaging of CT Systems</b>	<b>Sep 2017 - Dec 2017</b>
<ul style="list-style-type: none"><li><b>L. Huang</b>, T. Fang, Q. Shuai, Calibration and Imaging of a CT System, Chinese Journal of Engineering Mathematics. Vol. 34, Supp.1, 2017.</li></ul>	
<b>Non-line-of-sight (NLOS) imaging with improved methods</b>	<b>May 2017 - Present</b>
<ul style="list-style-type: none"><li>Mentor: Prof. Yonghang Shen, director of Institute of Optoelectronic Technology, Zhejiang University</li><li><b>L. Huang</b>, X. Wang, Y. Yuan, An improved algorithm of NLOS imaging based on Bayesian statistics. (In contribution)</li></ul>	
<b>Imaging through ground glass</b>	<b>May 2018 - Jul 2018</b>
<b>Generation and application of adaptive Bessel beam</b>	<b>July 2018 - Aug 2018</b>
<ul style="list-style-type: none"><li>Mentor: Prof. Jixin Cheng, Moustakas Professor in Photonics and Optoelectronics, Boston University</li></ul>	
<b>Noise-suppressing microvascular classifier of OCT angiography</b>	<b>June 2018 - Now</b>
<ul style="list-style-type: none"><li>Mentor: Prof. Zhihua Ding &amp; Prof. Peng Li, Zhejiang University</li></ul>	

## Skills and Certificates

- TOEFL iBT : 112 (S25)
- GRE: V153+Q170+AW3.5
- Experienced in MATLAB, Python, R

## Experience

<b>PAPIC of Zhejiang University</b>	<b>Sep 2015 - Jun 2016</b>
Public Relation Department	
<b>Zhejiang University</b>	<b>Oct 2016 - Jan 2017</b>
After-school tutor of calculus, awarded as Excellent Tutor	
<b>Hong Kong University of Science and Technology</b>	<b>Jul 2017 - Jul 2017</b>
SENG Summer Camp for Elite Students	
<b>Boston University</b>	<b>Jul 2018 - Aug 2018</b>
Summer Research Intern	