



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; Applied Optics; Probability Theory; Mathematical Statistics

- GPA : 3.96/4.0 (91.87/100)
- Rank : 1% (three year)

Awards

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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 |
| • MATLAB Innovation Prize (Special Prize) in CUMCM (China Undergraduate Mathematical Contest in Modeling) | Sep 2017 |
| • National Scholarship | Oct 2017 |
| • CHU KOCHEN College Innovation Scholarship | Nov 2017 |
| • Zhejiang University Special Scholarship (Supreme award for undergraduates) | Oct 2018 |

Research Projects

Interests: Computational Imaging, Biomedical Imaging, Machine Learning

Non-line-of-sight (NLOS) imaging with improved methods

May 2017 - Present

- Mentor: Prof. Yonghang Shen, director of Institute of Optoelectronic Technology, Zhejiang University
- **L. Huang**, X. Wang, Y. Yuan, An improved algorithm of NLOS imaging based on Bayesian statistics, Journal of the Optical Society of America. (In contribution)

Generation and application of adaptive Bessel beam

July 2018 - Aug 2018

- Mentor: Prof. Jixin Cheng, Moustakas Professor in Photonics and Optoelectronics, Boston University

Auto-classification of regions in OCT-Angiography images

June 2018 - Now

- Mentor: Prof. Zhihua Ding & Prof. Peng Li, Zhejiang University

Publication

- **L. Huang**, T. Fang, Q. Shuai, Calibration and Imaging of a CT System, Chinese Journal of Engineering Mathematics. Vol. 34, Supp.1, 2017.

Skills and Certificates

- TOEFL iBT : 102 (S20)
- GRE: V153+Q170+AW3.5
- Experienced in MATLAB, Python, R

Experience

PAPIC of Zhejiang University

Sep 2015 - Jun 2016

Public Relation Department

Zhejiang University

Oct 2016 - Jan 2017

After-school tutor of calculus, awarded as Excellent Tutor

Hong Kong University of Science and Technology

Jul 2017 - Jul 2017

SENG Summer Camp for Elite Students

Boston University

Jul 2018 - Aug 2018

Summer Research Intern