

# WEIHAO YU

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## EDUCATION AND WORK EXPERIENCE

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### National University of Singapore, Singapore

2019 - present

Research Assistant

Supervisor: Asst. Prof Jiashi Feng

Department of Electrical and Computer Engineering

### Sun Yat-sen University, China

2017 - 2019

Master of Engineering in Software Engineering

Supervisor: Prof. Liang Lin

School of Data and Computer Science

### South China Normal University, China

2013 - 2017

Bachelor of Science in Opto-Electronic Information Science and Engineering

GPA: 4.08/5 (90.8/100); Ranking: 1/82 (in major class), 1/189 (in similar major classes)

Advisors: Prof. Dongmei Deng and Assoc. Prof. Yafei Yu

School of Information and Optoelectronic Science and Engineering

## AWARDS

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**National Scholarship** (top 0.5%), Ministry of Education of China 2015

National Encouragement Scholarship, Ministry of Education of China 2014, 2016

First Prize Scholarship (top 2%), South China Normal University 2014, 2015, 2016, 2017

Scholarship of China Telecom, All-China Students Federation & China Telecom 2016

## PUBLICATIONS

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My Google Profile: <https://scholar.google.com/citations?user=LYxjt1QAAAAJ>

\* denotes equal contribution

**Weihao Yu\***, Zihang Jiang, Yanfei Dong, Jiashi Feng:

ReClor: A Reading Comprehension Dataset Requiring Logical Reasoning. **ICLR** 2020

Project Page: <http://whyu.me/reclor>; Code: <https://github.com/yuweihao/reclor>

Weijiang Yu, Jingwen Zhou, **Weihao Yu**, Xiaodan Liang, Nong Xiao:

Heterogeneous Graph Learning for Visual Commonsense Reasoning. **NeurIPS** 2019

Tianshui Chen\*, **Weihao Yu\***, Riquan Chen, Liang Lin:

Knowledge-Embedded Routing Network for Scene Graph Generation. **CVPR** 2019

Code: <https://github.com/yuweihao/KERN>

Zhouxia Wang\*, Tianshui Chen\*, Jimmy S. J. Ren, **Weihao Yu**, Hui Cheng, Liang Lin:

Deep Reasoning with Knowledge Graph for Social Relationship Understanding. **IJCAI** 2018

**Weihao Yu**, Ruihuang Zhao, Fu Deng, Jiayao Huang, Chidao Chen, Xiangbo Yang, Yanping Zhao, Dongmei Deng:

Propagation of Airy Gaussian Vortex Beams in Uniaxial crystals. **CPB** 2016

Fu Deng, Weihao Yu, Dongmei Deng:  
Controllably Accelerating and Decelerating Airy-Bessel-Gaussian Wave Packets **LPL** 2016

Fu Deng, **Weihao Yu**, Jiayao Huang, Ruihuang Zhao, Jiong Lin, Dongmei Deng:  
Propagation of Airy-Gaussian Beams in a Chiral Medium. **EPJD** 2016

Ruihuang Zhao, Fu Deng, **Weihao Yu**, Jiayao Huang, Dongmei Deng:  
Propagation Properties of Airy-Gaussian Vortex Beams Through the Gradient-index Medium. **JOSA A** 2016

Jiayao Huang, Zijie Liang, Fu Deng, **Weihao Yu**, Ruihuang Zhao, Bo Chen, Xiangbo Yang, Dongmei Deng:  
Propagation properties of right-hand circularly polarized Airy-Gaussian beams through slabs of right-handed materials and left-handed materials. **JOSA A** 2015

## PATENTS

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**Weihao Yu**, Jiayao Huang, Ruihuang Zhao, Weijiang Yu, Yuanghao Huang, Zhihang Wu, Zhiqiang Liao, Fu Deng:  
Photoelectricity Touch Devices. CN204731762U

Liang Lin, **Weihao Yu**, and Tianshui Chen:  
Image Scene Graph Generation Method and Device. Application No. 201811149481.7

Weijiang Yu, **Weihao Yu**:  
High gain bandwidth product electronic amplifier device. CN205566232U

Jiayao Huang, Fu Deng, **Weihao Yu**, Ruihuang Zhao, Bo Ke, Zhiqiang Liao, Dongmei Deng:  
Method and device for generating Second Order Hermitian Complex Function Gaussian Beam. CN105467608A

## CONTESTS

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Honorable Mention 2015, 2016  
Interdisciplinary Contest in Modeling (ICM), Consortium for Mathematics and Its Applications

Second Price of Guangdong Prince 2015  
National Mathematical Contest in Modeling, China Society for Industrial and Applied Mathematics

## PROGRAMMING SKILLS

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Python, PyTorch, TensorFlow, Latex, Matlab

## MISC

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One-Star Volunteer 2014  
China Foundation for Poverty Alleviation

Award for excellent Performance in Volunteer Activities for the Country People 2014  
South China Normal University

Hobbies: history, long-distance running, basketball and Chinese calligraphy