

Xiao (Brandon) Han

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Education

University of Surrey

PH.D. STUDENT

- Attach to Centre for Vision, Speech and Signal Processing.
- Supervisors: Tao Xiang and Yi-Zhe Song

Guildford, England

Jan. 2021 -

Zhejiang University

BACHELOR OF ENGINEERING

- Major in Information Engineering, College of Information Science and Electronic Engineering.
- Cumulative GPA: 3.92 / 4.00, Third-year GPA: 3.94 / 4.00, Rank: 21 / 138

Hangzhou, China

Sep. 2016 - Jun. 2020

Academic Experiences

Fudan University

VISITING STUDENT

- Advisor : Dr. Li Zhang

Shanghai, China

Nov. 2020 -

Westlake University

RESEARCH ASSISTANT

- Advisor : Dr. Changbin Yu
- Topic : Deep learning-based features prediction for mass spectrometry of protein.

Hangzhou, China

Oct. 2019 - May. 2020

University of Michigan

RESEARCH VISITING STUDENT

- Advisor : Prof. L. Jay Guo
- Topic : Designing optical metasurface with deep neural network.

Ann Arbor, MI, U.S.A

Jul. 2019 - Oct. 2019

University of Notre Dame

MEMBER OF IESR EXCHANGE PROGRAM

- It is a short-term exchange program aiming at cultivating internationally influential leaders.

South Bend, IN, U.S.A

Aug. 2018 - Sep. 2018

Industrial Experiences

PixelShift.AI

COMPUTER VISION ALGORITHM INTERN

- Mentors : Zhiming Ma and Meng Zhang
- Project : Focus on the AR application and deployment of generative models.

Shanghai, China

May. 2020 - Sep. 2020

Publication

INTERNATIONAL JOURNAL

Inverse Design of Metasurface Optical Filters using Deep Neural Network with High Degrees of Freedom

Xiao Han*, Ziyang Fan*, Zeyang Liu*, Chao Li, and L. Jay Guo

InfoMat

Mar. 2020

Honors & Awards

2019	Chunzhen International Exchange Scholarship (20,000CNY, 10 out of 300)	Zhejiang University, China
2019,2018,2017	3rd Prize, Academic & Outstanding Student Scholarship (2,000CNY, 30 out of 140)	Zhejiang University, China
2018	Yongping Scholarship (6,000CNY, 6 out of 140)	Zhejiang University, China
2018	3rd Prize, National Talent Training Base Scholarship (1,000CNY, 30 out of 140)	Zhejiang University, China
2018	Honorable Mention Prize, Mathematical Contest in Modeling (MCM)	COMAP, U.S.A
2017	3rd Prize, Physics Innovation Competition in Zhejiang Province (Theory Part)	Zhejiang Physical Society, China

Skills

Programming Languages	Python, C/C++, MATLAB, Verilog, JS/TS, HTML/CSS
Frameworks and Tools	Git, PyTorch, TensorFlow, Keras, OpenCV, OpenGL
Languages	Chinese (native language), English (IELTS: 6.5), Korean (primary)