



# Guowei Zou

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## EDUCATION

<b>Sun Yat-Sen University (SYSU) (Exempt from Admission Exam)</b> 985	Sep 2020 - Aug 2023
Electronic science and technology; Master	Guangzhou
Lab: State Key Laboratory of Optoelectronic Materials and Technology (OEMT)	
<b>China Agricultural University (CAU)</b> 985	Sep 2016 - Jun 2020
Electronic information engineering; Bachelor	Beijing

## PERSONAL SKILLS

Research direction: Deep Learning; Display technology; IoT;  
Personal skills: Python; C/C++; Matlab; C#; PCB; LightTools;  
English level: IELTS 5.5 (L5.0, R6.5, W6.0, S5.0)

## RESEARCH EXPERIENCE

<b>[1] National key Research and Development Plan: 3D display key common technology</b>	Sep 2020 - Jun 2023
Enhance 3D display resolution with deep learning image algorithm.	
<b>[2] Virtual reality - in-vehicle head-up Display (AR-HUD) project (Sponsored by Huawei)</b>	Nov 2021 - Jun 2023
Image quality enhancement using AI in Picture Generation Unit (PGU) in Augmented Reality Head-Up Display (AR-HUD).	
<b>[3] Under-display camera (UDC) and under-display sensor project (Sponsored by Vivo)</b>	Nov 2021 - Jun 2023
Under-screen sensor (Camera, IR, ALS) modeling, deep learning-based signal enhancement for full-screen mobile phones.	

## PUBLICATIONS

*Academic papers see Home page (10 papers in total)* : <https://www.researchgate.net/profile/Guowei-Zou>

[1] Guowei Zou, et al., Optics Express 30(12) (2022).	DOI:
10.1364/OE.459752	
[2] Guowei Zou, et al., SID Symp. Dig. Tech. 53(1) (2022).	DOI: 10.1002/sdtp.15628
[3] Zeyu Wang, Guowei Zou, et al., Optics Letters 48(21) (2023).	DOI: 10.1364/OL.501567
[4] Zeyu Wang, Guowei Zou, et al., Optics Express 31(11) (2023).	DOI: 10.1364/OE.487198
[5] Guowei Zou, et al., J. C. Agri. Mech. 40(12) (2019).	DOI: 10.13733/j.jcam.issn.2095-
5553.2019.12.29	

### Chinese invention patents:

[1] CN202110793074.5 (Granted, first author), [2] CN202110873615.5 (Granted, third author), [3] CN202111427903.4 (Published, first author), [4] CN202210380314.3 (Published, first author),

### International Conference:

[1] Oral in SID Display Week 2022, California, America. [2] Oral in ICDT 2022, Fuzhou, China. [3] Poster in IDMC 2022, Taipei, China. [4] Oral in PGWS 2021, HK, China. (Best Paper Award in 2021)

## HONORS & AWARDS

- [1] ZhenTai Scholarship (2022), First-class (2023) and Second-class (2020-2022) Scholarships from Sun Yat-sen University.
- [2] Second-class Scholarship from China Agricultural University (2018).
- [3] Beijing Excellent Undergraduate Thesis (2020), China Agricultural University Excellent Undergraduate Thesis (2020).
- [4] National Third Prize in the China Agricultural Robot Competition (2019).
- [5] Beijing Second Prize in the National Mechanical Engineering Innovation Design Competition (2018).