

# YIHANG ZUO

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## EDUCATION

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**South China University of Technology (SCUT)** 2019 – 2023

B.S. in Microelectronics Science and Engineering (EE)

**Hong Kong University of Science and Technology (Guangzhou)** 2023 – Present

M.S. in Microelectronics (MICS), expected June 2025

• **Major Courses:** Calculus, Linear Algebra, DSP, Digital Integrated Circuit, Analog integrated circuit, Semiconductor device, Compute in memory

Have the opportunity to attend graduate school in China with the grad school entrance exam waived

• **Scholarship:** JieLi scholarship (Top 10% Autumn 2021), “Hong Ping Chang Qing” Academic Scholarship

## PUBLICATION

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[J1] **Y. Zuo**, B. Liu, and K. Shao. Symmetrical indoor visible light layout optimized by a modified grey wolf algorithm. *Appl. Opt.*, 61(20):6016–6022, Jul 2022.

[C1] **Yihang Zuo**, et. al. A paper about CIM-based AI accelerator. *under the review of DATE*, 2025.

[C2] Zhuolun He, **Yihang Zuo**, Jiaxi Jiang, Haisheng Zheng, Yuzhe Ma, and Bei Yu *ACM/IEEE Design Automation Conference (DAC)*, 2023.

[C3] J. Wan, X. Liu, **Y. Zuo**, and J. Luo. Analysis on public opinion sentiment evolution of covid-19 based on weibo data. **WHICEB 2021**.

## RESEARCH EXPERIENCE

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**Shanghai AI lab (Pujiang lab)** Shanghai, China 2022.09 – Present

*Parallel algorithm optimization [DAC’23]*

**Advisors:** Prof. Bei Yu *collaborated with* Zhuolun (Leon) He

**HKUST (GZ) Research Assistant** Guangzhou, China 2022.05 – 2022.09

*MAC Design space exploration*

**Advisors:** Prof. Yuzhe Ma *collaborated with* Dongsheng Zuo

**South China University of Technology (SCUT)** Guangzhou, China 2021.12 – 2022.03

*Heuristic algorithm optimization [Applied Optics (AO)’2022]*

*Matlab* Individual Projects

**SCUT Student Research Project** 2020.03 – 2021.03

*Data analysis [WHICEB 2021]*

*Python* Team Project

## HONORS AND AWARDS

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*1<sup>st</sup> Prize* in Guangdong province, Award on China Undergraduate MCM 2020.10

*1<sup>st</sup> Prize* in South China, Award on China college IC competition 2022.07

*2<sup>nd</sup> Prize* in Guangdong province, Award on China Undergraduate MCM 2021.10

*3<sup>rd</sup> Prize* in South China, Award on China college IC competition 2021.07

*3<sup>rd</sup> Prize*, Award on China college IC competition 2022.08

*Runner-up* in the SCUT debate competition 2020.11

*Meritorious winner*, Award on Mathematical Contest in Modeling (MCM) 2021.02

## EXPERIENCE

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Summer Session of University of Illinois Urbana-Champaign (UIUC)	2021.08
Session of Hong Kong University of Science and Technology (HKUST)	2022.05
Director of SCUT enrollment propagation	2021.01
President of SCUT Microelectronics Association	2021.05 – 2022.09

## SKILLS

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- Languages: English - Fluent, Mandarin - Native speaker
- Programming Languages: Matlab, C++, Python, Cuda,  $\text{\LaTeX}$
- Software: KLayout, ABC, NeuroSim, EDA flow