Yihang Zuo

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Education

South China University of Technology (SCUT) 2019 – 2023

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

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

[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] Zhuolun He, **Yihang Zuo**, Jiaxi Jiang, Haisheng Zheng, Yuzhe Ma, and Bei Yu OpenDRC: An Efficient Open-Source Design Rule Checking Engine with Hierarchical GPU Acceleration. *ACM/IEEE Design Automation Conference (**DAC**)*, 2023.

[C2] 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

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

1st Prize in Guangdong province, Award on China Undergraduate MCM	2020.10
1st Prize in South China, Award on China college IC competition	2022.07
2nd Prize in Guangdong province, Award on China Undergraduate MCM	2021.10
3rd Prize in South China, Award on China college IC competition	2021.07
3rd 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

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

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