

Benchao Zhu

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RESEARCH INTEREST

Electronic Design Automation

EDUCATION

Fudan University

M.E. in Electronics and Information Engineering

– GPA: 3.46/4.0

– Rank: 14/160

Shanghai, CHN

September 2022 - June 2025 (expected)

Fudan University

B.E. in Microelectronics Science and Engineering

– GPA: 3.50/4.0

– Rank: 24/146

Shanghai, CHN

September 2018 - June 2022

AWARDS & HONORS

- **Xiaomi Special Scholarship**, Fudan University (2023)
- **Outstanding Students**, Fudan University (2023)
- **National Encouragement Scholarship**, Fudan University (2019, 2020, 2021)

SKILLS

Programming	C++, LaTeX, Python, Perl, Shell
Languages	Chinese, English

COMPETITIONS

2023 ISPD Contest (Security Closure of Physical Layouts)	First Place
2024 ISPD Contest (GPU/ML-Enhanced Large Scale Global Routing)	Fifth Place
2024 ICCAD Contest (Power and Timing Optimization Using Multibit Flip-Flop)	Fourth Place

PUBLICATIONS

- **Late Breaking Results: Mixed-Cell-Height Detailed Placement under Multi-Cell Spacing Constraints**
Benchao Zhu, Zheng Zeng, and Jianli Chen
61th ACM/IEEE Design Automation Conference (DAC), 2024.
- **Effective Analytical Placement for Advanced Hybrid-Row-Height Circuit Designs**
Yuan Wen, Benchao Zhu, Zhifeng Lin, and Jianli Chen
29th Asia and South Pacific Design Automation Conference (ASPDAC), 2024.
- **Mixed-cell-height Placement with Minimum-Implant-Area and Drain-to-Drain Abutment Constraints**
Guohao Chen, Zheng Zeng, Benchao Zhu, Jiawei Li, Kun Wang, Jun Yu, and Jianli Chen
60th ACM/IEEE Design Automation Conference (DAC), 2023.

SELECTED COURSES

- **Postgraduate:**
Discrete Mathematics & Optimal Decision (A), Digital Signal Processing VLSI Design (B)

- **Undergraduate:**

Analog Circuit (A), Fundamentals of Digital Logic (A), Signal and Communication System (A)