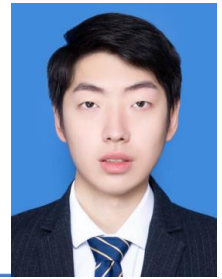


Yunhao Zhou

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Education

2022.9-present Master of EE

Shanghai Jiao Tong University (SJTU) Shanghai

GPA: 3.86/4.0 Rank: 10/50

2018.9-2022.6 Bachelor of EE **Huazhong University of Science and Technology (HUST) Wuhan**

GPA: 3.93/4.0 Rank: 1/28

Major course: Machine Learning, Computer Architecture, Fundamental of Software Technology, Digital IC

Skills: C/C++, Python, Verilog, TCL, Gem5, ABC, Cadence virtuoso, Quartus, Proteus

Familiar with software development based on linux server, and tool like Gitlab, Jira, Jenkins

IELTS: 7.0

Awards

2022&2023 Shanghai Jiao Tong University first-class scholarship 2022 Outstanding graduate of HUST

2021 American college students mathematical Contest in modeling: Meritorious Winner

2020 National Mathematical Contest in Modeling for College Students: National Second Prize

2020 Outstanding Undergraduate of HUST

Experience

2024 Nvidia Internship Project(released to global physical design department of Nvidia) python

- Develop inhouse VLSI Physical Design CAD software

2023 Shanghai Innovation Center for Processor Technologies

python C++ verilog

- Developed AGI Multimodal Large Models for Chip Auto-Design
- Data driven logic synthesis, research BSD based CPU generation and NN based approximate logic synthesis
- Co-author paper accepted by **DAC(2024)**, **ICCAD(2024)**

2023 X-EPIC Technology Internship Project(released)

C C++ TCL

- Conducted algorithm for X-valued combinational equivalence checking based on ABC system
- Participated in development of LEC APP in formal verification software

2023 High Fanout Register Identification Algorithm in ASIC Chip Physical Design

python verilog

- Implemented a verilog netlist parser for hierarchically structured Verilog netlists
- Developed a search algorithm with a time complexity of $O(N)$ for extraction of register fanout counts

2022 Matrix multiplication Optimization of GMM based on Gem5 simulator

- Memory access optimization based on Gem5 simulator and the algorithm of matrix multiplication

2020 National Mathematical Contest in Modeling for College Students

- Financial loan optimization problem based on decision tree and RAROC model

2019 National Mathematical Contest in Modeling for College Students

- The Numerical simulation of the control process of high pressure tube based on differential equation