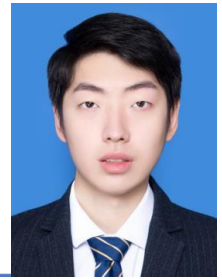


Yunhao Zhou



Tel: +86 13585206891

E-mail: zyheesjtu@sjtu.edu.cn

Web: yyh-sjtu.github.io

Education

2022.9-present Master of EE

Shanghai Jiao Tong University (SJTU)

GPA: 3.86/4.0 Rank: 10/50

2018.9-2022.6 Bachelor of EE

Huazhong University of Science and Technology (HUST)

GPA: 3.93/4.0 Rank: 1/99

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

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

IELTS: 7.0

Awards

2022&2023 SJTU first-class scholarship

2022 Outstanding graduate of HUST

2022 **Bachelor of Honors Degree** from HUST

2020 Outstanding Undergraduate of HUST

2021 American college students mathematical Contest in modeling: Meritorious Winner

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

Experience

2024 National Center of Technology Innovation for EDA

python

- Verilog representation learning based on GNN and CDFG
- LLM based Verilog generation including finetune, inference, and auto-test

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

2020&2019 National Mathematical Contest in Modeling for College Students

- Financial loan optimization problem based on decision tree and RAROC model
- The Numerical simulation of the control process of high pressure tube based on differential equation