

Yipeng(Leo) Shen

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EDUCATION

College of Computer Science and Technology ZHEJIANG UNIVERSITY

Bachelor of Computer Science

September 2022 - present

- Cumulative GPA: 3.98/4.3, Average Score: 88.27/100
- Relevant Coursework: High Performance Computing, Computer Organization, Computer Architecture, Operating System, Computer Networks, Digital Logic Design, Machine Learning and Data Analysis, Introduction to Computing Systems.

PROJECT EXPERIENCE

SNN Utilization

Zhejiang University

August 2024 - Present

With [Peng Lin](#)

- Designed a high-accuracy, low-power SNN for sequential tasks, leveraging the characteristics of RNN and custom-designed chip within the lab. Conducted literature research and implemented the network. Nearly finish.

ML System

Zhejiang University RC4ML Lab

December 2024 - Present

With [Zeke Wang](#)

- Accelerated convolution using large number multiplication algorithms on DSP48.
- Tested the performance of AMD VERSAL Network on Chips.

Cloud Computing Summer Workshop

National University of Singapore

May 2024 - July 2024

With [Richard MA](#)

- Led the 'Cloud on Cloud' project, building a real-time weather query and forecasting platform with an information exchange community. Utilized Kafka for stream data processing, LSTM/Spark for short-term weather prediction, and Kubernetes for managing cloud resources on AWS.
- Primarily responsible for cloud system design and module integration. Team won the project's second prize.

Kolors-LoRA Story Challenge (AIGC)

Model Scope

September 2024

With [Min Zhang](#)

- Trained LoRA models based on Kolors for text-to-image generation. Won the Second Prize of the challenge.
- Primarily responsible for model tuning and prompt engineering.

SKILLS

English: TOEFL: 105 R30 L30 S21 W24

Software: Vivado ML Edition, Matlab

Computing: C, C++, Pytorch, Cuda, OpenMP, MPI, RISC-V

OTHER ACTIVITIES

Scholarship

- Zhejiang University Third Prize scholarship.

2022-2023, 2023-2024

Social Work

- President of the Guitar Association at Zhejiang University.

Volunteer Work

- Head volunteer of MPC of the 19th Hangzhou Asian Games and Asian Para Games.
- Over 300 volunteer hours during university.