

Bin-Lun Li

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EDUCATION

National Tsing Hua University (NTHU)

Sep 2021 - Jun 2025

B.S. in Computer Science

Advisor: Professor **Jerry Chou**

Average **GPA 4.27/4.3** on last 2 semesters.

EXPERIENCE

Machine Learning Engineer Intern - Lasertec Taiwan

Dec 2024 - Present

Pytorch/Triton/CUDA/Linux

- Accelerated morphological operation via **parallel programming**.
- Built **industrial-oriented software** on GPU cluster.

Teaching Assistant of Operating Systems

Sep 2024 - Dec 2024

C/C++/Operating System/Linux

- Designed the **specifications for Operating System** implementation.
- Set up the server environment for class students.

Teaching Assistant of Hardware Design and Lab

Sep 2024 - Dec 2024

Verilog/Hardware Design

- Developed the **specifications for hardware design problem**.
- Resolved issues caused by both hardware and software, thereby enhancing my debugging skills.

AWARDS

Second Prize - 2024 Meichu Hackathon

[Link to Project](#)

Python/Flask/Backend/LLM

- Won **2nd prize among 230 people, first prize in Logitech group**.
- **Multi-agents chatroom**, each with a distinct personality. You can gain insights from the interactions between your AI agents and engage with them.

PROJECTS

Scalable Serving System for LLM with Kubernetes and NVIDIA MIG

Go/Kubernetes/Prometheus/Grafana/NVIDIA MIG/System Design

- Utilized **NVIDIA MIG** to allocate GPU resources, effectively addressed **resource fragmentation** and **resource contention** issues.
- **Dynamically adjusted resource allocation** based on runtime resource usage of LLM inference server, leveraging NVIDIA MIG to ensure optimal resource utilization.
- **Monitored resource usage** in real-time and visualized data through Grafana dashboards.

SKILLS

Programming Languages

C/C++, Python, Java, Javascript, Verilog, Go

Tools & Libraries

Git, Unix-like shells, Docker, Kubernetes, CUDA, MPI, OpenMP

Languages

TOEIC Listening and Reading Test 915/990