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

- **Accelerate** morphological operation via parallel programming.
- **Build** industrial-oriented software on GPU cluster.

Teaching Assistant of Operating System   Sep 2024 - Dec 2024

C/C++/Operating System/Linux

- **Designed** the specifications for Operating System implementation.
- **Setup** 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 among Logitech group.
- **Multi-agent 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 addressing 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