

YAO LI

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EDUCATION BACKGROUND

Jilin University (China) , Bachelor's Degree <i>Applied Physics</i>	2019.08 - 2023.06
University of Tsukuba (Japan) , Master's Degree <i>Computer Science (In Progress)</i>	2024.04 - 2026.03

EXPERIENCE AND PROJECTS

Technical Background

- Web Development: HTML/CSS/JavaScript (React/Vue); Server-side: Go/Python; System Programming: C/C++/Linux
- English Proficiency: CET-4 (600), CET-6 (590), TOEIC (865/990)

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EXPERIENCE AND PROJECTS

Undergraduate Period	2019.08 – 2023.06
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RoboMaster Competition	Electronic control system implementation
"Internet+" Competition	Remote experiment platform using Unity client and IoT chips
National University Student Innovation	Noise reduction algorithm (Python/C++)
Electronic Design Competition	Self-balancing car, medicine delivery car, hexapod robot

Software Development Engineer (Shanghai)	2023.06 – 2024.04
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• Delphi Development

Frontend and backend development of laser cutting machine tool control software.

• Database Maintenance and User Data Processing/Analysis

• Hardware Control System Development Based on IEC61131-3 Standard

Encapsulated instructions for CNC platforms: I/O control, axis motion control, alarm control, etc.

Development of semantic analysis and code generation from industrial control structured text to C language.

Master's Period	2024.04 – Now
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• Laboratory: SoftLab (www.softlab.cs.tsukuba.ac.jp)

• Research/Submitted Paper: Browser-based Distributed Computing System *Towards Building Computing Clusters of Web Browsers*

• Other Experience:

Research Assistant at CUHK (Data analysis and blockchain technology related research) (2024.10 – 2025.05)

Open Source Project: MoFA (*Modular Framework for Agent*, github.com/moxin-org/mofa) sub-project MoFA Stage

AWARDS AND CERTIFICATES

- RoboMaster 2021 Mech Master University League (Heilongjiang Division) - 3V3, Electronic Control Group Member, Provincial First Prize, October 2020
- Jilin Province "Internet+" University Student Innovation and Entrepreneurship Competition, Backend Engineer, Bronze Award in the University Main Track, September 2021
- Huawei Information and Network Technology Academy "Intelligent Technology Development and Application" Practice Course Excellent Student, June 2022
- National University Student Electronic Design Competition, September 2021
- JLU-CTF Cyber Security Competition, University-level Third Prize, September 2020
- National University Student Mathematical Modeling Competition, Provincial Second Prize, 2022

- USTC Hackergame: (2024 Ranking 291/2460), (2023 Ranking 268/2381)
- Bronze medal in the LMSYS - Chatbot Arena Human Preference Predictions competition on Kaggle.
- REPLY Hack the Code Challenge 2025 (Ranking 189/1476, Score 6481636)
- 2025 MoFA AI Search Engine Hackathon (Second Prize)