

YAN SHAO

PERSONAL INFORMATION

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EDUCATION

University of California Santa Barbara

Online: Feb-Jun 2026, Offline: July 2026 till Now

Summer Internship
Research on AI Hallucination (BTProp)

National University of Singapore

July 2025

Summer Workshop of SoC (School of Computing)
Cloud Computing of Cluster 'Cloud, IoT & AI'
First Place in Group Presentation

Shanghai Jiao Tong University

June 2023 till Now

B.S. in Computer Science
Minor in Japanese
Core GPA: 3.87/4.3
Weighted Average Mark: 90.18/100

PUBLICATION

- Yuzhou Nie, Ruilin Zhou, Zhaorun Chen, Jingyang Zhang, Yan Shao, Hongwei Li, Bo Li, Dawn Song, Wenbo Guo.
“NitroBox: Lightning-Fast Sandbox for Large-Scale RL Training.” <https://openreview.net/forum?id=Fg7IC3UM4g>
(Accepted by ICML 2026 AIWILD)

RESEARCH EXPERIENCE

BTProp: Research on LLM Hallucination

Mar 2026 till Now

- Improve tree generation ability in BTProp. Implement experiments to polish a series of specified tree generation rules.
- Substitute hidden Markov model with first order logic to clarify the way how the confidence estimation is conveyed from the leaf nodes to the root statements.
- Implement SFT and RL experiments to reach equivalent performance with a small model.

Project: Jitsi Enhanced with Dialogic Intelligence

July 2025

NUS School of Computer Summer Workshop

- Add an AI participant to open-source online meeting frame Jitsi and deploy the system via kubernetes
- Use ByteDance Coze to access llm, decide when to speak and tts service
- Get the first place of Cloud Computing Course of SWS in the final report

Gained in-depth understanding of RAG (Retrieval-Augmented Generation) principles and LangChain architecture.

- Deployed the open-source intelligent Q&A framework Chatchat based on LangChain, made a simple frontend, and integrated with the university library database.
- Proposed a technical roadmap for academic resource retrieval and implemented several modules.

MAIN COURSES

Course	Grade	Course	Grade
Principles of Computer Organization	92	Operating System Design and Practice	100
Modern Operating Systems	93.4	Computer System Architecture (Class A)	94
Algorithms and Computational Complexity	89	Problem Solving and Practical Training	93
Programming Paradigms and Methods (C++)	91.5	Engineering Practice and Technological Innovation II (AI)	93
Web3 and Digital Trust	95	Advanced Algorithms	95
Programming Language Theory	96	Game Theory	90

TECHNICAL STRENGTHS

Computer Languages	C++, Python, Java, Go
Tools and Platforms	Linux, Docker, Photoshop, Feishu(Lark)
AI-assisted Development	Codex, Claude Code, Cursor, Pi

CERTIFICATES AND AWARDS

- TOEFL: 110 / 120
- GRE: 327 / 340
- *Outstanding Student Award*, Shanghai Jiao Tong University (Academic Year 2023–2024)
- *Class C Undergraduate Scholarship*, Shanghai Jiao Tong University, 2024
- *Class C Undergraduate Scholarship*, Shanghai Jiao Tong University, 2025
- *Second Prize*, 16th National College Mathematics Competition (Non-Math Major, Group A)