

## EDUCATION BACKGROUND

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### Zhejiang University

Bachelor of Engineering (Honors) in Artificial Intelligence

Hangzhou, China

Sep. 2023 – Expected Jun. 2027

- **Turing Class**: Selected into the elite, flagship computer science honors program at [Chu Kochen Honors College](#)
- **Overall GPA**: **3.95**/4.00 Top 10%
- **Honors Program**: [Morningside Cultural China Scholars Program](#), a highly competitive, interdisciplinary leadership program (Top 30)

## RESEARCH EXPERIENCE

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### Implementation and Evaluation of Isabelle2Rust

Research Assistant

Hangzhou, China

Jul. 2025 - Present

Advisor: [Prof. Yongwang Zhao](#), Professor at Zhejiang University

- Implementing a Rust backend for Isabelle/HOL code generation, focusing on backend translation, Cargo integration, and verification-oriented testing.
- **Independently implemented** core translation and toolchain integration modules; **validated behavior** against official Isabelle test suites and internal regression cases.

## PROJECTS

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### CastLockVis

Hangzhou, China

Apr. 2026 - Present

- Built a D3.js exploratory visual-analytics system for analyzing actor career trajectories across **1,157 actors / 30,336 films** of New Hollywood cinema, structured as a three level pipeline of **four tightly coupled views** wired by **three brushing-and-linking chains** over stable cross-view identifiers.
- Engineered an **offline-first compute engine** in Python and scikit-learn, generating versioned JSON datasets consumed by a React/TypeScript frontend.

### PortalParadox

Hangzhou, China

Sept. 2025 - Jan. 2026

- Built an OpenGL 3.3 rendering prototype for **recursive portal environments**, supporting visually consistent “rooms-within-rooms” scenes through oblique clipping and recursive scene traversal.
- Implemented recursive rendering, per-layer shadow regeneration, and per-recursion-layer PBR shading to preserve lighting and geometric consistency across nested portal views.

### RikeShell

Hangzhou, China

Feb. 2025 - Jun. 2025

- Built a Unix-like OS kernel for **64-bit RISC-V** in C, implementing **11 Linux-compatible system calls** (ecall-dispatched), demand-paging fault handling, **Copy-on-Write** fork, and a full process lifecycle (clone / execve / waitpid / exit) driven by a built-in ELF loader.
- Implemented a three-layer storage stack — a **VirtIO** block driver with MBR partition parsing, a read/write **FAT32** filesystem persisted to a disk image, and a **VFS** abstraction — exposed through **RikeShell**, an interactive shell with **6 commands** (echo / cat / edit / run / help / exit), validated on both QEMU and Spike.

## EXTRACURRICULARS & CULTURE

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### Cinephile Community

- Active independent film critic on Douban (China's Letterboxd). A comprehensive report on the 50th Hong Kong Film Festival has been selected for the "Douban Popular Creators Program".

### ZJU Mouse Poets' Club

- Vice President and Editor-in-Chief. Coordinated program planning and event execution for the 2025 campus poetry festival, which engaged **over 1,000** campus participants and community members.