YI GU

A CS undergraduate student



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PROJECTS

PintOS

Operating System Development

Stanford CS

- Implemented Priority Scheduling, System Calls, Memory Mapped Files, Indexed & Extensible Files, and Subdirectories.
- Passed almost all local tests and most TA additional tests. Final grade: A+ (92.4335/100).
- Gained hands-on experience in operating system design, including process scheduling, memory management, and file system implementation.

Compiler

Compiler Construction

- Developed the latter half of the compiler codebase and test cases, covering lexical analysis, syntax analysis, and code optimization.
- Passed all local tests and most TA additional tests. Final grade: 86.79/100.
- Strengthened understanding of compiler design, including parsing techniques, intermediate representations, and optimization strategies.

Artificial Intelligence

Pacman

UC Berkeley CS

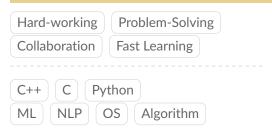
- Personal work: Most assignments passed both local and online tests.
- Team project: Grade undisclosed, but covered search algorithms, reinforcement learning, and machine learning.
- Explored fundamental AI techniques, including heuristic search, Markov decision processes, and deep learning principles.

These are some of the projects I have finished. If you want more detailed info about my projects, please visit my website.

MY LIFE PHILOSOPHY

"Another day is a gift."

STRENGTHS



LANGUAGES

Chinese	••••
English	••••
EDUCATION	

B.S. in Computer Science(Expected 2026)

ShanghaiTech University

Sept 2022 - now