

# 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

UPenn CIS3410

- 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

Hard-working

Problem-Solving

Collaboration

Fast Learning

C++

C

Python

ML

NLP

OS

Algorithm

## LANGUAGES

Chinese



English



## EDUCATION

B.S. in Computer Science(Expected 2026)

**ShanghaiTech University**

Sept 2022 - now