

Jinhao Guo

fexuile@gmail.com

EDUCATION

Peking University

Bachelor of Computer Science

Beijing, China

Sept. 2022 - Present

- **Avg. Score** (until 2025 Spring Semester): 3.62/4
- Scores of some courses:
 - * Practice of Programming in C&C++ : 4/4
 - * Introduction to Computation (A) : 3.98/4
 - * Introduction to Artificial Intelligence : 3.93/4
 - * Probability theory and statistics in information science : 3.91/4
 - * Design of Digital Logic: 3.88/4
 - * Algorithm Design and Analysis : 3.85/4
 - * Data Structure and Algorithm (A) : 3.81/4

RESEARCH INTERESTS

- Operating System
- Storage System
- Distributed System
- Systems for Machine Learning

RESEARCH EXPERIENCE

Peking University

Undergraduate Researcher, advised by Prof. [Diyu Zhou](#)

Beijing, China

July. 2024 - June. 2026(expected)

Research Topic: Operating Systems, Storage Systems, Machine Learning System

RESEARCH PROJECT

FlexCache: Software Designed Cache for Multi-scene Trace Data.

Collaboration with Prof. [Diyu Zhou](#), Peking University, [Liujia Li](#), Peking University

- I worked with my collaborators to propose a software designed cache for multiple trace datasets, with less miss ratio.
- I conducted experiments, analyzed data, and identified some features related to distinguishing access.
- I proposed a new strategy for segmenting access cycles, which is beneficial for our understanding of data features in multiple application scenarios.

COURSE PROJECTS

NoGo-AI

Introduction to Computation (A) Course Project

Apply AI algorithms to chess, including Monte Carlo algorithm, Machine Learning.

QT Creator Project - genshin-

Practice of Programming in C&C++ Course Project

Created a card battle game, using object-oriented programming with AI algorithm implemented to determine computer strategies

ICS-labs

Introduction of Computer Science(CMU 15-213) Course Project

Labs of ICS, making everyone clearer to the composition and operation of Computer.

HONORS & AWARDS

Scholarship

- 2022-2023 Excellent Research Award of the School of Information Science and Technology

TECHNICAL SKILLS

Languages: Mandarin (native), English (fluent).

Programming Languages: Proficient in C/C++, Python.

COMMUNITY & LEADERSHIP

Deputy Secretary

September 2022 – June 2024

Youth Volunteer Service Association of Information Science and Technology College

Peking University, Beijing

- Record volunteer activity expenses and coordinate volunteer activity affairs
- 2022-2023 Outstanding Volunteers
- 2022-2023 Outstanding Volunteer Service Group