

# Shengtao Yao

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## Education

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New york University, New york City, NY

2022/ 09 - present

BA Computer Science, Math, Class of 2026, GPA 3.85

**Relevant Coursework:** Discrete Mathematics(A-), Data Structures(A), Algorithms (B+), Calculus III (A), Linear Algebra, Computer System Organization

## Projects

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### tsh Shell

2023/07

- Build a simple shell that manages processes as a job list.
- Supports foreground/ background processes
- Supports basic user functions like ls, wc, sleep

### Simulated cache

2023/06

- Build a cache simulator that counts the number of hits, misses, and evictions of a real cache.
- Support various command line user options to print customized results.

### Personal Website

2023/01 - current

- Developed a static minimalist website with functions of tags, about page
- A clear archive system.
- Supports search function.

## Honors and Awards

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- **Honored Award Skills**(Team 4398), First Tech Challenge 2021/ 07
- **Meritorious Award (ranked top 14%)**, High School Mathematical Contest in Modeling (HiMCM) 2021/05
- **Silver award** (top 25% in China Nationwide), Physical Bowl 2021/ 01

## Community Work

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- **GitHub and Zhihu contributor.** Learning a lot of courses from schools, including CMU-15213: ICS, Berkeley CS61B and currently compiling my notes on github repositories. I wrote a compilation of my favorite anime, music and games in Zhihu.

## Skills

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**Programming Languages:** Python, C, Java, C++, x86-64

**Tools:** Google, git, Linux, gdb, Valgrind