

YuNing Chen

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Education

- **South China Normal University (SCNU)** 2021/09 – 2025/06
Bachelor of Network Engineering Guangzhou, China
 - The only undergraduate **Teaching Assistant** for Operating System Project Class (Fall 2023): Assisted in answering questions and improving the project documentation (adapted from MIT 6.S081 Lab).

Skills

- **Core Skills**
 - **Low Level Programming:** Understands both hardware and software, proficient in writing concurrent and cache-friendly code.
 - **Algorithms and Data Structures:** Mastered the time and spatial complexity, skilled in writing efficient code.
 - **Functional Programming:** Familiar with common paradigms such as FP, OOP, Declarative and Procedure.
 - **Design Pattern:** Capable of identifying and applying appropriate design patterns for software architecture.
 - **Self Learning Ability:** Proficient in Googling, asking and answering questions. Possess a fast learning pace.
- **Soft Skills:**
 - Testing, Logging, Profiling, Debugging, Abstracting and Collaborating
 - Git/GitHub workflow and conventional commit
 - Proficient in English.
 - Docker
 - Proxmox VE (Linux/Homelab)
 - Kubernetes (k3s)
 - Linux server configuration and management
- **Languages and Libraries:**
 - Languages: C/C++, TS/JS, Go, Python, Java
 - Database: SQLite (my favourite), Postgresql, MongoDB...
 - Libraries:
 - TypeScript: Prisma, Next.js, Zod...
 - Golang: gorm, gin, zap...
 - And many more.

Projects

- [Telegram Bot for Memos](#) 107 ☆
 - A Python Telegram bot for the [memos project](#), to which I also contributed.
 - Recommended by the memos project, archived after they have this feature built-in.
 - Wrapped in Docker, async python, with a OOP design.
- [Search Obsidian in Google](#) 23 ☆
 - An [Obsidian](#) plugin and browser extension combination to search notes on Google.
 - Hit 5,000 install in 2 months without any promotion.
- [More Contributions on GitHub...](#)
- Numerous course projects that aren't suitable for public access on GitHub, include but not limited to
 - UCB CS186 Database in Java
 - MIT 6.S081 OS Labs
 - CS:APP Labs

Leadership and Involvement

- **Turing Class, SCNU**

A self-motivated discussion group, featuring great courses like Linear Algebra (MIT 18.06, 18.01, 18.02), Algorithms and Data Structure (CLRS), Operating System (CSAPP, OSTEP), Theory of Computing (MIT 18.404), and more...

- As an active member, organized multiple discussions and presented multiple talks.
- As a sophomore, mentored freshman linear algebra and C programming, enabling them to ask some high quality questions about programming.
- Continuously mentored freshman during my 3rd and 4th years of collage.