

YuNing Chen

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Education

- **South China Normal University (SCNU)** 2021/09 – 2025/06
Bachelor of Network Engineering Guangzhou, China
 - 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 the collaboration between 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 and OOP.
 - **Design Pattern:** Capable of identifying and applying appropriate design patterns for software architecture.
 - **Self Learning Ability:** Proficient in Googling, asking and answering question. Possess a fast learning pace.
- **Soft Skills:**
 - Proficient in English
 - Git
 - Docker
 - Testing, Logging and Collaboration
 - Proxmox VE (Homelab/Linux)
 - Kubernetes (k3s)
 - Linux server configuration and management.
- **Programming Languages:**
 - *Project Ready:* C/C++, Typescript/Javascript/TSX/JSX, Golang, Python, Java
 - *Experienced:* OCaml, Rust, Shell Script, Haskell
 - *Self Taught:* Lua, Lisp (Scheme)
- **Libraries and Frameworks:**
 - Database: SQLite (my favourite), Postgresql, MongoDB...
 - TypeScript: Prisma, Next.js, Zod...
 - Golang: gorm, gin, zap...
 - And many more.

Projects

- [Telegram Bot for Memos](#) A Telegram bot for the [memos project](#), to which I also contributed.
- [Search Obsidian in Google](#) An [Obsidian](#) plugin and browser extension combo to search notes on Google.
- [Portfolio](#) My taste in Portfolio, showcasing my interest and projects.
- [And More Contributions on GitHub...](#)

Leadership and Involvement

- **Turing Class, SCNU**

A self motivated discussion group, featuring online courses like Linear Algebra (MIT 18.06), Algorithms and Data Structure (CLRS), Operating System (CSAPP), 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 question about programming in general.
- Continuously mentored freshman during my 3rd and 4th years of collage.