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, 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 question. Possess a fast learning pace.

- **Soft Skills:**
  - Testing, Logging, Profiling, Debugging and Collaboration
  - 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, OCaml, Lisp...
  - 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.
  - Browser extension as frontend, Obsidian search plugin as backend, use bearer to authenticate.

- [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 question about programming in general.
  - Continuously mentored freshman during my 3rd and 4th years of collage.