陈昱宁 (YuNing Chen)

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Education

- <u>South China Normal University</u>   2021/09 – 2025/06
  Network Engineering

  ‣ 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.
  ‣ *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 (CET6 577).
  ‣ Docker
  ‣ Proxmox VE (Linux/Homelab)
    – Kubernetes (k3s)
    – Linux server configuration and management

- Languages and Libraries:
  ‣ Languages: C/C++, TS/JS, Go, Python (include but not limited to)
  ‣ Database: SQLite (my favourite), Postgresql, MongoDB...
  ‣ Libraries:
    – Golang: gorm, gin, zap...
    – C++: Cmake, Google Test, cpp-httplib, nlohmann/json
  ‣ And many more.

Projects

- <u>Telegram Bot for Memos</u>   107 ⭐
  ‣ A Python Telegram bot for the <u>memos project</u>, 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.

- <u>Search Obsidian in Google</u>   27 ⭐
  ‣ An <u>Obsidian</u> plugin and browser extension combination to search notes on Google.
  ‣ Hit 5,000 install in 2 months without any promotion.

- <u>More Contributions on GitHub...</u>

- Numerous course projects that aren't suitable for public access on GitHub, include but not limited to
  ‣ CMU 15-213 CS:APP Labs
  ‣ MIT 6.S081 OS Labs
  ‣ Stanford Networking CS144 Labs

Leadership and Involvement

- Turing Class, SCNU
  A self-motivated seminar, 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.
- Will continuously mentored freshman during my 3rd and 4th years of collage.