



Meng-Shr Tsai 蔡孟師

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Education

- **National Sun Yat-sen University (NSYSU)** **Kaohsiung City, Taiwan**
B.S. in computer science and engineering *Sep 2018 – Jun 2022*

Skills

- Programming
 - General: Modern C++(11 and a little 14 ~ 20), C, python3, Shell script, GNU make
 - Others: Arduino(C++11), Git, L^AT_EX, Markdown, nvim
- Languages
 - Native: Taiwan Mandarin, Taiwanese
 - Conversant: English (TOEIC 645)

Projects and Open-Source

- **My Blog** **Github page**
Author *May 2022 – Present*
 - Use **Hugo** to render pages, and **Github Action** to deploy the blog.
 - Share some trick of programming I learned in **Leetcode**.
 - <https://collieiscute.github.io/>
- **coc.nvim** **Github**
contributor *Sep 2022*
 - help **translate vim script to lua**, and **improve readability** of lua in documents.
 - <https://github.com/neoclide/coc.nvim>
- **Facebooc** **National Sun Yat-sen University (NSYSU)**
member *Apr 2022 – Jun 2022*
 - Use **gnu-makefile** to automate release/build.
 - Learn to fix **memory leak** by improve the function interface.
 - <https://github.com/25077667/facebooc>
- **Meat-Freshment-Monitor-System** **National Sun Yat-sen University (NSYSU)**
maintainer *Jul 2021 – Jan 2022*
 - Introduce **OOP**, **RAII** to Arduino code.
 - Introduce **clang-format**, **git**, **GNU makefile** to help automate and speed up development, as well as **xelatex** to writing report.
 - **Fix a bug of int overflow** in some machines in **Arduino official library** (<https://github.com/tobiasschuerg/MH-Z-CO2-Sensors>).
 - <https://github.com/meat-project/meat-freshment-monitor-system>
- **meal-prep** **National Sun Yat-sen University (NSYSU)**
Author *Jul 2020 – Present*

- Use modern C++ feature like **Explicitly Defaulted and Deleted Functions**, **std**, **range-based for loop**, **anonymous namespaces**.
- Practice **modular programming** and use **git submodule**.
- Try to improve coding habits with **Clean Code**.
- <https://github.com/CollieIsCute/meal-prep>