



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*

Projects and Open-Source

- **Facebooc** **National Sun Yat-sen University (NSYSU)**
Member *Apr 2022 – Jun 2022*
 - Use **GNU-makefile** to automate release/build.
 - Fix **memory leak** by improving 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, and reduce $\frac{2}{3}$ of development time.
 - Introduce **clang-format**, **Git**, **GNU-makefile** to help automate and speed up development, as well as **xelatex** to writing report.
 - Improve **Arduino official library** (<https://github.com/tobiasschuerg/MH-Z-CO2-Sensors/pull/24>).
 - <https://github.com/meat-project/meat-freshment-monitor-system>
- **coc.nvim (21.6K stars)**
Contributor *Sep 2022*
 - Getting start with a new programming language (lua) takes me about **1 week**.
 - Help **translate vim script to lua**, and **improve readability** of lua in documents.
 - <https://github.com/neoclimate/coc.nvim>
- **meal-prep** **National Sun Yat-sen University (NSYSU)**
Author *Jul 2020 – Present*
 - Use modern C++ feature like **Explicitly Defaulted and Deleted Functions**, **stl**, **range-based for loop**, **anonymous namespaces**.
 - Practice **modular programming** and use **Git submodule**.
 - Improve coding habits with **Clean Code**, and get 2 times faster than origin speed.
 - <https://github.com/CollieIsCute/meal-prep>
- **My Blog**
Author *May 2022 – Present*
 - Use **Hugo** to render pages, and **Github Action** to deploy the blog.
 - Share some tricks of programming I learned in **Leetcode**.
 - <https://collieiscute.github.io/posts/leetcode/>

Skills

- Programming
 - General: Modern C++(11 and 14 ~ 20), C, python3, Shell script, GNU-makefile
 - Others: Arduino(C++11), Git, \LaTeX , Markdown, nvim
- Languages
 - Native: Taiwan Mandarin, Taiwanese
 - Conversant: English (TOEIC 645)