



# 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,  $\text{\LaTeX}$ , 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**, **stl**, **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>