

BACKGROUND

Influenced to pursue dreams, devoted to making contributions

I'm Cheng-Hsuan from The Affiliated Industrial Vocational High School of National Changhua University of Education (國立彰化師大附工), and currently studying electronics engineering at YunTech (雲林科技大學). My parents were running a retail business when I grew up. Watching them tinker with age-old point-of-sale software and repair old PCs made me interested in designing better user experiences and developing reliable software. Built on this interest over the last ten years, I **have learned multiple professional skills in diverse areas and dedicated them to building a free and open world.**

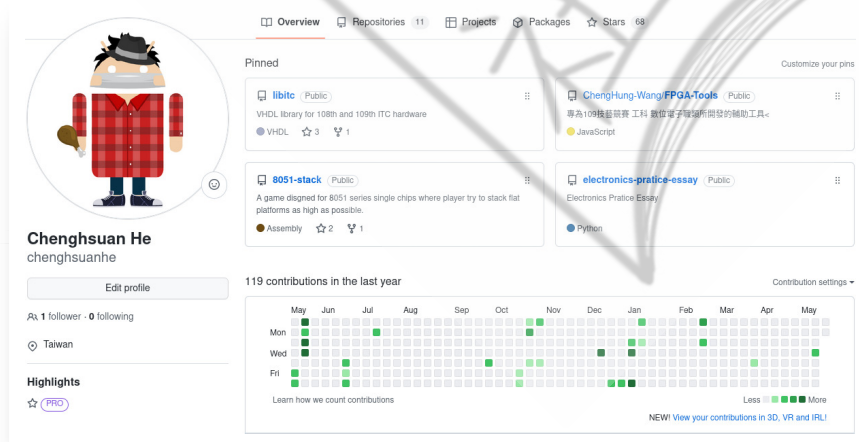
PERSONAL TRAITS

Aim for perfection, enthusiastic to assist

When I was little, I was constantly curious about the inner workings of machines. I always turned to my parents for their usage and structure. As an elementary school student, I was amazed by the possibilities of computers and started to learn to program.

Today, when it comes to writing code, instead of just making it functional, **I look into best practices and try to optimize my code.** I believe that consistent and maintainable code can produce a better product.

Whenever my friends encounter difficulties in learning, I always try my best to step out and help. **By helping them, I got a sense of accomplishment and learned something new at the same time.**



▲ My GitHub profile

304

Contributions since 2020

6,145

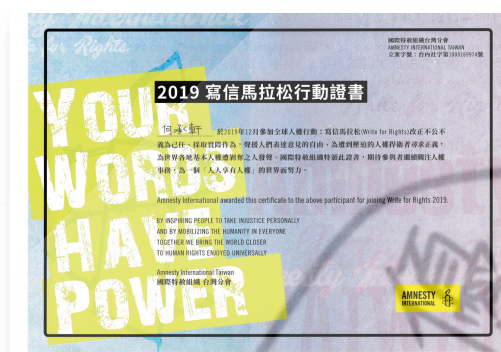
Lines written

ENGLISH ABILITY

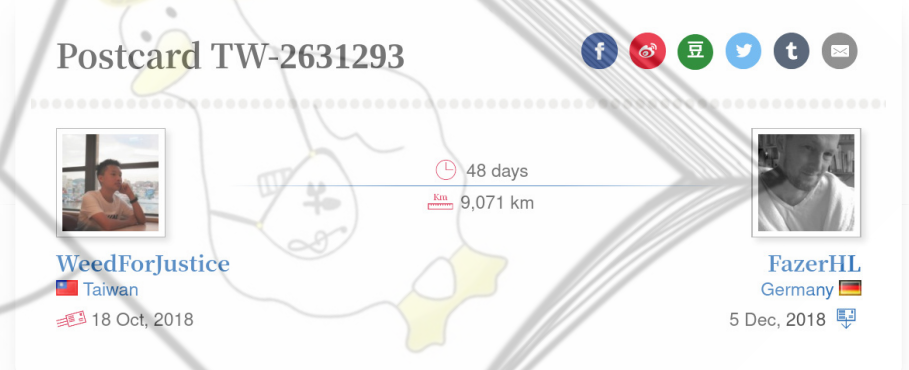
Self-taught, from a utility to a lifestyle

The vast amount of knowledge obtainable on the Internet interested me deeply before the Internet became prevalent as it does today. I didn't want my source of wisdom limited by language barriers. As I got used to search with English keywords, **English is no longer just an academic burden but a way of life for me.**

I joined the English honors class in high school. In that course, I used Postcrossing to exchange postcards with foreign people and participated in the Write for Rights campaign held by Amnesty International. Taking part in these events made accumulated my social experiences aside from practicing English. In addition, **I obtained a GEPT intermediate certificate and scored 960 in TOEIC.**



▲ Write for Rights



▲ Postcrossing

PROFESSIONAL SKILLS

Practice around the clock, pass down the legacy

In the second grade of high school, I seized the opportunity to become a competitor in the National Skills Competition and the Industrial Techniques Competition. Utilizing school resources to practice techniques and reading textbooks recommended by teachers, **I became the hardest-working competitor in the department.**

During preparation for ITC, **I designed various projects and tools** to improve the competition workflow and reduce third-party reliance. I explained the source code to my schoolmates to keep the projects ready for competitions for years to come.

MOTIVATION

Why Electronic Engineering?

1. Family influence

Studied Electronics in high school, Father often put knowledge into practice and showed me ways to tinker with everyday appliances. **His enthusiasm for self-repairing encouraged me to develop an interest in electronic engineering.**

2. University courses

Based on my interest in digital logic and computer systems, taking courses like **VLSI Architecture Design, Neural Networks**, and **Real-Time Operating Systems** can transform my passions into valuable expertise.

3. Expand skillset

With **excellent learning resources and passionate schoolmates**, I can easily find people with common interests, learn from each other, and become more competitive.

STUDY PLANS

What's next?

Learn Rust

Rust is a fast and reliable systems language. As performance and memory safety is important for embedded systems, **it may become the next C++**.

Get GEPT Advanced certificate

My English **speaking and writing skills** are still inadequate for formal interviews abroad. By aiming to obtain the certificate, I can motivate myself to train more.

Improve personal projects

I created libraries like **libitc** and tools like **Vpp**. Though usable, they are far from complete. I want to support more hardware in libitc and add more documentation and features to Vpp.

Contribute to free software

Translating GNOME and **reporting bugs on GitHub** benefits not only me but people around the globe. I can accumulate collaborative working experience while servicing others in addition.