

## EXPERIENCES

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### Institute of Biomedical Sciences (IBMS), Academia Sinica

Taipei, Taiwan

*Research Student*

June 2023 - Present

- Proficiently conducted data science and in-depth analysis of magnetic resonance imaging (MRI) data, with a specific focus on brain connectome research.
- Development of cutting-edge analysis software, and cloud computing infrastructure deployment to optimize data storage and accessibility.
- Actively engaged in advanced studies encompassing neuroimaging, biomedical sciences, and neurosciences, consistently staying abreast of the latest research and breakthroughs in these fields.

### Taiwan Open Education Development Unit

Taiwan (Hybrid)

*Founder / Data Engineer*

June 2021 - Present

- Led a team to successfully develop and launch the CourseAPI platform, streamlining course information and accessibility.
- Developed efficient data scraper tools, automating data collection and analysis processes.
- Conducted regular maintenance to ensure the CourseAPI platform's optimal performance and data accuracy.
- Conducted in-depth analysis of issues related to open educational resources and open source education.

### g0v Taiwan Community

Taiwan (Hybrid)

*Participant / Sch001 Lecturer*

May 2021 - Present

- Actively engage in various open source initiatives, contributing code, documentation, and community support.
- Deliver engaging lectures on digital literacy, empowering students with essential technical skills in Sch001 courses.
- Providing guidance and insights to several education-related open source projects as technical advisor.

## DEVELOPMENT SKILLS

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- **Front-End Development:** HTML, CSS, JavaScript, Bootstrap, Tailwind, React.js, Vue.js
- **Back-End Development:** Express.js, Django, Flask
- **Software Development:** Python, C, C++, Kotlin
- **Data Analysis:** R, MATLAB, SPSS, FSL, AFNI
- **Databases:** PostgreSQL, MongoDB, MariaDB
- **Cloud Services:** AWS, GCP, Microsoft Azure, OpenStack
- **Operating Systems:** Linux, Unix, Windows

## SUMMARY

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I am an inquisitive student known for self-learning, resourcefulness, data analysis, and practical application in diverse scenarios. My journey began at age seven, driven by a fascination with technology's creative potential. I self-studied programming, delving into electronics with Arduino.

Progressing further, I explored software development, IoT, machine and deep learning. These pursuits refined my logical thinking and self-guided learning. At eleven, I achieved a perfect score in the Computer Skills Foundation TQC+ Certification for Python and C Language programming.

In academia, I actively pursue knowledge and solutions. When encountering complex questions, I tap into online programming communities or consult esteemed professors via email. This practice fosters my research attitude and critical thinking.

## EDUCATION

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### Taipei Digital Experimental High School (T-School)

2023 – Present

#### *Taipei, Taiwan (Hybrid)*

- A public hybrid experimental education high school located in several places in Taipei, Taiwan.
- Integrates digital technology and inquiry-based learning, aiming to assist every student in achieving personalized deep learning.

### New Taipei Municipal Yonghe Junior High School

2020 – 2023

#### *New Taipei City, Taiwan*

- Valedictorian of 53<sup>rd</sup> Graduates with Highest Achievements
- Class President of Gifted and Talented Science Program
- School President of Academic Year 2023

## HONORS

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- 2019 New Taipei City Elementary School Gifted and Talented Education Program  
Individual Research Joint Presentation || **Excellence Award**
- 2020 New Taipei City Primary & High School Science Fair || **Excellence Award** || Junior High School Group
- 2021 New Taipei City Primary & High School Science Fair  
Junior High School Group || **High Distinction Award** || **Representative Study for National Fair**
- 62<sup>nd</sup> National Primary & High School Science Fair (NPHSSF) || Junior High School Group || **3<sup>rd</sup> Place**
- 2022 Young Talent Intelligence Technology Camp || **High Distinction Award**

## ADDITIONAL

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### Languages

- **Mandarin, Taiwanese:** Native
- **English:** TOEIC 800 (2019)
- **Spanish:** Intermediate

### Voluntary Experience

- Agenda Team of Hacks In Taiwan Conference (HITCON) || 2023
- Co-Founder and General Coordinator of Computer Informatics Students Conference (CISCON) || 2023
- Coordinator of Conference for Open Source Coders, Users, and Promoters (COSCUP) Open Education Track | 2023
- Conference Streaming of Conference for Open Source Coders, Users, and Promoters (COSCUP) || 2021
- Certified Senior Open Source Contributor (OSCVPass Program) of Open Culture Foundation
- Technical advisor of several open source projects and communities