

Sky Hong 洪軾凱

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Biography

Sky Hong is a software developer and Computer Science undergrad at National Taiwan Normal University. He is currently working on [UniCourse](#), an open-source course search engine for college students in Taiwan, as co-founder and project manager and has been an active contributor of [g0v](#) and [SITCON](#) communities.

He was born in 2002 in Tainan, Taiwan, and moved to Taipei with his family. He found an interest early in math and computer science in elementary school. During high school, his early research interests include **Game Theory**, **Machine Learning**, and **Natural Language Processing**. Now he is more interested in **Online Learning**, **Information Retrieval**, and **Speech Recognition**.

He has very diverse interests. He enjoys immersing himself in various art forms, unrestricted by any particular style. He likes to play classical music with others and has played instruments in many bands and orchestras since elementary school. He plays Harmonica, Clarinet, Violin, and more and occasionally posts clips on various platforms.

As a citizen, he is frequently concerned with the trends in Taiwanese media. He has also been an active member of the HSNU Student Council and NTNU Student Union, standing up for student rights. He also writes blogs and articles to share his thoughts and ideas.

As a software developer and data scientist, he deeply advocates problem-solving techniques focusing on digital governance and social issues. He also has a strong interest in open-source software and open data, believing that open-source software and open data are the keys to a better world.

Work Experience

- 中央研究院 資訊科學研究所
 - 學習型兼任助理 Oct 2022 - Dec 2022
 - [民生公共物聯網資料應用教材編製與推廣](#) 編輯團隊
- 師大青年社 NTNU YOUTH
 - 特約網頁維護工程師 Jul 2022 - Present
 - Wordpress 網站維護、主機更新等

Side Projects & Open Source Contributions

- Co-founder and Project Manager of [UniCourse](#)
 - An open-sourced modern course platform for students. Currently serving as project manager for the project.
- Traditional Chinese Translator of [Logseq](#)
 - A privacy-first, open-source platform for knowledge management and collaboration.
- Co-founder of [NTNUCSIE Universe](#) discord server
 - A discord server for NTNU CSIE students to communicate and share information.
- [urtube](#)
 - A open-sourced project make your youtube watch history alive.

Volunteer Experience

SITCON

我自 2022 年初加入 SITCON 編輯組，同時於 2023 年初由前任組長推薦成為編輯組長。SITCON 編輯組負責年會的社群媒體經營與互動，包含 Facebook、Instagram、Plurk、Twitter、Telegram Channel，以及開源相關活動推廣與其他組別公告事項、大會公告等文案撰寫需求。

- SITCON 2022 編輯組員
- SITCON 2023 長期組別編輯組長

g0v 零時政府

- g0v 公民科技專案新手參與者
 - 開放學生自治組織白皮書 #edu-open-stu-association
 - UniCourse 大學課程資訊交流平台 #edu-unicourse

COSCUP 開源人年會

- COSCUP 2023
 - 開源教育議程軌 協調人兼主持人

Others

- [NTNU GDSC](#)

- 2022-2023 Core Team Member
- 2023-2024 Lead
- [NTNU CSIE Student Association](#)
 - 2023-2024 President
- [NTNU Student Union](#)
 - 2021-2022 Student Rights Participant
 - 2022-2023 Student Rights Center Researcher

Awards

零時小學校 2022 專案孵化競賽 獲選

本次競賽有 19 組進行初選，入圍 12 組、獲選 5 組。每組入圍團隊將獲頒新台幣 6,000 元獎金，每組獲獎團隊將額外獲頒新台幣 2 萬元獎金。

[UniCourse 大學課程搜尋資料庫](#)

Macronix Science Awards 19th 優等獎

19th 旺宏科學獎有 661 件作品參賽，歷經評審團超過一個月以來的嚴格評選及討論，共有 20 件入圍決賽。優等獎獲得大學四年最高新台幣十萬元之獎學金補助。

[從分類到溝通——以機器學習分辨鳥鳴聲](#)

Education

- National Taiwan Normal University (國立臺灣師範大學, NTNU)
 - B.S. in Computer Science, 2021 - 2025 (expected)
 - GPA: 3.7, 3.9, 4.2 (110-1, 110-2, 111-1 semester)
- Affiliated High School of National Taiwan Normal University (國立臺灣師範大學附屬高級中學, HSNU)
 - Science Class (class 1483), 2018 - 2021
- Yonghe Junior High School (新北市立永和國中, YHJHS)
 - Science Gifted Class ([Ag](#), 47th)

Presentation

- SITCON 2020 開放式議程講者
 - [讓我們把高中的開發力聚集在一起吧！](#)
- 師大暖日永續節 2023 論壇主持人
 - [數位治理論壇：後疫情時代下學生自治的數位轉型趨勢](#)
- COSCUP 2023 開源教育議程軌 講者
 - [看我們如何打造 Unicourse 大學課程資訊交流平臺](#)
- COSCUP 2023 學生社群大亂鬥議程軌 講者
 - [學生自治之 DAO —— 開放學生自治組織白皮書](#)

Research Interests

- Online Learning
- Speech Recognition

- Natural Language Processing
- Theoretical Data Science
- Information Retrieval