

# Sin-Han Yang

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## Education

### National Taiwan University

B.S. in Computer Science and Engineering

- Double Major in Physics
- GPA: 4.08/4.3

Taipei, Taiwan

Sept. 2019 - PRESENT

### University of Birmingham

Exchange Student in Computer Science

Birmingham, U.K

Sept. 2022 - Jan. 2023

## Research Experiences

### Computer Science and Engineering Department, UC San Diego

Visiting Student

- Advisor: Tsui-Wei (Lily) Weng
- Focus on the interpretability of neural network
- Use model's explanations to improve the performance in the continual learning setting

Remote

Jun. 2022 - PRESENT

### Nature Language Processing Laboratory, NTU

Lab Member

- Advisor: Hsin-Hsi Chen
- Focus on fake news detection, design a new architecture for interpretability [C1]
- Gain the ability to find interesting topics, and implement ML projects

Taipei, Taiwan

Nov. 2021 - PRESENT

### Research Center for Information Technology Innovation, Academia Sinica

Research Assistant

- Advisor: Gen-Cher Lee
- Modify communication software's source code to extend functionality
- Gain the ability to understand, modify and test big open source software

Taipei, Taiwan

Jan. 2021 - Jan. 2022

### Center for Quantum Frontier of Research and Technology, NCKU

Research Assistant

- Advisor: Yueh-Nan Chen
- Derive the theory and do experiments on "Quantum Steering" effect
- Use IBMQ's python module to simulate qubit, then apply to real data

Tainan, Taiwan

Jul. 2020 - Aug. 2020

## Publications

### Conference Papers

[C1] Sin-Han Yang, Chung-Chi Chen, Hen-Hsen Huang and Hsin-Hsi Chen, [Entity-Aware Dual Co-Attention Network for Fake News Detection](#), in *Findings of the Association for Computational Linguistics: EACL 2023*, .

## Honors & Awards

### NTU Y.L.LIN Scholarship

- For exchange students

Taipei, Taiwan

2022

### NTU Dean's list award

Taipei, Taiwan

2021

### Alternate player IPHO (International Physics Olympics) Taiwan team

Taipei, Taiwan

2018

## Skills

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- **Program Languages** Python, MATLAB, C++
- **Others** PyTorch, Git,  $\text{\LaTeX}$