Sin-Han **Yang**

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Education

National Taiwan University   *Taipei, Taiwan*

B.S. in Computer Science and Engineering   *Sept. 2019 - PRESENT*

- Double Major in Physics
- GPA: 4.08/4.3

University of Birmingham   *Birmingham, U.K*

Exchange Student in Computer Science   *Sept. 2022 - Jan. 2023*

Research Experience

Computer Science and Engineering Department, UC San Diego   *San Diego, U.S.A*

Visiting Student   *Jun. 2022 - PRESENT*

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

Nature Language Processing Laboratory, NTU   *Taipei, Taiwan*

Lab Member   *Nov. 2021 - PRESENT*

- Advisor: Hsin-Hsi Chen
- Focus on fake news detection, using non-traditional approach such as interpretability
- Gain the ability to find interesting topics, and implement ML projects

Research Center for Information Technology Innovation, Academia Sinica   *Taipei, Taiwan*

Research Assistant   *Jan. 2021 - Jan. 2022*

- 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

Center for Quantum Frontier of Research and Technology, NCKU   *Tainan, Taiwan*

Research Assistant   *Jul. 2020 – Aug. 2020*

- 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

Publications

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

Honors & Awards

2022   **NTU Y.L.LIN Scholarship**,   *Taipei, Taiwan*
2021   **NTU Dean's list award**,   *Taipei, Taiwan*
2018   **Alternate player**, IPHO (International Physics Olympics) Taiwan team   *Taipei, Taiwan*

Skills

Programming   Python, PyTorch, C/C++, MySQL
Languages   Mandarin (native), Taiwanese(fluent), English (fluent): TOEFL: 99/120 (R:27/30, L:25/30, S:23/30, W:24/30)