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Lausanne, Switzerland

Sept. 2024 – Present

- Taipei, Taiwan

Feb. 2023 – June 2024

- Taipei, Taiwan

Sept. 2018 – June 2022

- Tübingen, Germany

June 2025 – Present

- Taipei, Taiwan

Feb. 2023 – June 2024

- Taipei, Taiwan

Sept. 2023 – Jan. 2024

- Taipei, Taiwan

July 2021 – Sept. 2021

- Taipei, Taiwan

July 2021 – Sept. 2021

- Taipei, Taiwan

Sept. 2019 – Jan. 2021

- 1

## Publications

### Not All LLM-Generated Data Are Equal: Rethinking Data Weighting in Text Classification

ICLR 2025 (Spotlight, top 5.1%)

HsUN-YU KUO, YIN-HSIANG LIAO, YU-CHIEH CHAO, WEI-YUN MA & PU-JEN CHENG

### Reliable Data Transmission through Private CBRS Networks

arXiv, 2023

HsUN-YU KUO, SZU-YU LIU, CHIN-YA HUANG, YU-CHI CHEN & MENG-HUA XIE

### Differential Diagnostic Value of Machine Learning-Based Models for Embolic Stroke

Clinical and Applied Thrombosis/Hemostasis, 2023

HsUN-YU KUO, T.-W. LIU, Y.-P. HUANG, *et al.*

### A Normative Study of Modified Spatial Context Memory Test in Middle and Older Individuals

bioRxiv, 2019

HSUAN-MIN WANG, YO-PING HUANG, HsUN-YU KUO, *et al.*

## Honors & Awards

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|------|--|-----------------|
| 2022 | <b>Honorary Membership</b> , Phi Tau Phi Scholastic Honor Society of the Republic of China                             | Taipei, Taiwan  |
| 2017 | <b>Outstanding Poster Presentation Award (1st Place)</b> , Kanagawa International Science Forum — Engineering Category | Kanagawa, Japan |
| 2016 | <b>Golden Award (1st Place)</b> , IT Software Solutions for Business, National Skills Competition                      | Taipei, Taiwan  |

## Selected Projects

### EPFL ML Course Leaderboard

Lausanne, Switzerland

TWEET SENTIMENT CLASSIFICATION

Sept 2024 – Dec 2024

- Optimized language models to achieve a top-ranking accuracy of 92.1%, placing 2nd out of 43 teams

### NTU NLP Course Leaderboard

Taipei, Taiwan

FEW-SHOT CLASSIFICATION OF REGULATIONS FOR UNLAWFUL ADS

May 2023 – June 2023

- Optimized language models to achieve a top-ranking macro F1 score of 72%, placing 1st out of 111 participants

### University Research Project

Taipei, Taiwan

DIFFERENTIAL DIAGNOSTIC ML MODELS FOR EMBOLIC STROKE

Jan 2023 – Dec 2023

- Built CNN models with data augmentation (flipping, contrast) on DWI scans to distinguish CAT vs. AF-related strokes

### Normative SCMT Study

Taipei, Taiwan

3D GAME-BASED SPATIAL CONTEXT MEMORY TEST

Jan 2023 – Dec 2023

- Developed a Unity-based 3D test to diagnose amnesic mild cognitive impairment in middle-aged and older adults

### National High School Science Fair Project

Taipei, Taiwan

EEG ANALYSIS WITH NEURAL NETWORKS

Jan 2017 – June 2017

- Analyzed EEG signals using deep learning and wavelet transforms to study brain wave patterns

### Taiwan International Science Fair

Taipei, Taiwan

PNEUMATIC ASSISTIVE DEVICE FOR HAND REHABILITATION

Sept 2016 – Jan 2017

- Designed a pneumatic silicone assistive device using muscle sensors and control algorithms to improve hand mobility

## Skills

<b>Programming Languages</b>	C/C++, Python, Java, JavaScript, C#, SQL, HTML, CSS, Git
<b>Machine Learning Frameworks</b>	PyTorch, TensorFlow, Huggingface, Ray
<b>Software &amp; Hardware Tools</b>	Arduino, Android Studio, Xamarin, .NET, MySQL, MSSQL, Unity