

Yu-Hsiang Wang

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Education

University of Illinois Urbana-Champaign

Ph.D. IN ELECTRICAL & COMPUTER ENGINEERING

- Advisor : Olgica Milenkovic
- Overall GPA : 4.00/4.00

Champaign, IL

Aug. 2024 - Present

National Taiwan University

B.S. IN ELECTRICAL ENGINEERING

- Overall GPA : 4.09/4.30

Taipei, Taiwan

Sep. 2019 - Jan. 2024

Research Experience

University of Illinois Urbana-Champaign

GRADUATE RESEARCH ASSISTANT, ADVISOR: PROF. OLGICA MILENKOVIC

- Proposed a Wavelet-based diffusion model for time series data generation. (under review)
- Proposed a schedule-driven graph diffusion model for efficient molecule generation. (NeurIPS 2025)

Champaign, IL

Aug. 2024 - Present

University of California, Los Angeles

RESEARCH ASSISTANT, ADVISOR: PROF. CHO-JUI HSIEH

- Proposed a concept-level uncertainty framework for Large Language Models. (NeurIPS 2024 SFLLM workshop)

Los Angeles, CA

Jun. 2023 - Sep. 2023

National Taiwan University

RESEARCH ASSISTANT, ADVISOR: PROF. CHE LIN

- Proposed a heterogeneous graph neural network (HGNN) framework. (under review)

Taipei, Taiwan

Sep. 2022 - Dec. 2023

Work Experience

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Taipei, Taiwan

AI ENGINEER INTERN, ADVISOR: DR. JASON CHOU

Jun. 2022 - Jun. 2023

- Proposed an explainable recommendation system utilizing knowledge graphs and graph attention networks to deliver personalized push notifications for a stock forum app, achieving an 8.53% click-through rate in A/B testing and demonstrating a 3.3x performance improvement.

Publication

- [1] Yu-Hsiang Wang and Olgica Milenkovic. “WaveletDiff: Multilevel Wavelet Diffusion For Time Series Generation”. *In Submission*.
- [2] Peizhi Niu, Yu-Hsiang Wang, Vishal Rana, Chetan Rupakheti, Abhishek Pandey, and Olgica Milenkovic. “DMol: A Schedule-Driven Diffusion Model for Highly Efficient and Versatile Molecule Generation”. *NeurIPS 2025*.
- [3] Yu-Hsiang Wang, Andrew Bai, Che-Ping Tsai, and Cho-Jui Hsieh. “CLUE: Concept-Level Uncertainty Estimation for Large Language Models”. *NeurIPS 2024 SFLLM Workshop*.
- [4] Ming-Yi Hong, Miao-Chen Chiang, Youchen Teng, Yu-Hsiang Wang, Chih-Yu Wang, and Che Lin. “THeGAU: Type-Aware Heterogeneous Graph Autoencoder and Augmentation”. *In Submission*.

Honors & Awards

Research Grant for College Students, National Science and Technology Council (Taiwan)

July 2023 - Feb 2024

Dean's List Award, Electrical Engineering Dept. at NTU

Fall 2020

Teaching

ECE313: Probability with Engineering Applications

UIUC

GRADUATE TEACHING ASSISTANT

Fall 2025