

Kuan-Hsun Tu

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EDUCATION

National Taiwan University

Bachelor's degree in Computer Science and Information Engineering
Taipei, Taiwan

Sep 2021 - Jun 2026

RESEARCH EXPERIENCE

Embodied AI Lab, National Taiwan University (Advisor: [Tsung-Wei Ke](#))

Research Assistant
Undergraduate Researcher

Aug 2026 - Present
Sep 2024 - Jun 2026

PUBLICATIONS AND PREPRINTS

* Equal contribution. † Corresponding author.

- Kuan-Hsun Tu**^{*}, Chien-Sheng Chiang^{*}, Hsin-Wei Chen, Ping-Chun Hsieh, Tsung-Wei Ke
Task Inference Beyond Least Squares in Behavioral Foundation Model
In submission, 2026.
- Kuan-Hsun Tu**^{*}, Hsuan-Chi Liu^{†*}, Jia-Wei Liao^{*}, Chien-Sheng Chiang, Cheng-Fu Chou, Tsung-Wei Ke
CNP-Flow: Unified Temporal Flow Matching via Conditional Noise Prediction
In submission, 2026.
- Chien-Sheng Chiang^{*}, **Kuan-Hsun Tu**^{†*}, Jia-Wei Liao^{*}, Cheng-Fu Chou, Tsung-Wei Ke
COT-FM: Cluster-wise Optimal Transport Flow Matching
IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**), 2026.
[Paper](#) · [Code](#) · [Project Website](#)
- Yash Jangir, Yidi Zhang^{*}, Kashu Yamazaki^{*}, Chenyu Zhang^{*}, **Kuan-Hsun Tu**, Tsung-Wei Ke, Lei Ke, Yonatan Bisk, Katerina Fragkiadaki
RobotArena ∞: Scalable Robot Benchmarking via Real-to-Sim Translation
International Conference on Learning Representations (**ICLR**), 2026.
[Paper](#) · [Code](#) · [Project Website](#)
- Jhen Hsieh, **Kuan-Hsun Tu**, Kuo-Han Hung, Tsung-Wei Ke
DexMan: Learning Bimanual Dexterous Manipulation from Human and Generated Videos
arXiv preprint, 2025.
[Paper](#) · [Code](#) · [Project Website](#)

HONORS AND AWARDS

Supercomputing Competitions

- HiPAC: 5th NCHC Application Performance Optimization Competition Aug 2026
• **1st Place** (served as coach)
- SC25 Student Cluster Competition Nov 2025
• **1st Place** · Overall Winner
- 8th APAC HPC-AI Competition Nov 2025
• **2nd Place** & Best AI Performance Award

Hackathons

- Qiskit Hackathon Taiwan Aug 2024
• **1st Place** · Grand Jury Prize

Talks

- National Taiwan University Opening Ceremony Sep 2026
• Student Representative Speaker

WORK EXPERIENCE

NTU COOL

Jul - Dec 2026

Application Developer · Developed [NTU COOL AI Companion](#)

Department of CSIE, National Taiwan University

Jul 2025 - Aug 2026

Lead System Administrator, System Administration Team

- Redesigned the departmental network, unified the UI/UX framework, and rebuilt web services.

NTU Student Cluster Competition Team

Jul - Nov 2025

HPC Student Cluster Engineer

- Contributed to building and optimizing an HPC cluster stack for the SC25 Student Cluster Competition, including HPL benchmarking, the reproducibility challenge, and Mystery Apps.

TEACHING EXPERIENCE

Department of Computer Science and Information Engineering, National Taiwan University

Advanced Network Administration and System Administration

Spring 2026

Teaching Assistant

Network Administration and System Administration

Spring & Fall 2025

Lead Teaching Assistant

Parallel Programming

Fall 2025

Teaching Assistant