


TUN-YUAN CHANG

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 <https://tunyuanchang.github.io/>

EDUCATIONS

National Tsing Hua University, Hsinchu, Taiwan Sep. 2024 - Jun. 2026 (Expected)
M.S. in Institute of Information Systems and Applications GPA: 4.25/4.30
Advisor: Prof. Cheng-Hsin Hsu

National Tsing Hua University, Hsinchu, Taiwan Sep. 2020 - Jun. 2024
B.S. in Department of Computer Science GPA: 3.90/4.30
Minor in Department of Quantitative Finance

RESEARCH INTERESTS

Digital Twins, Smart Cities, Machine Learning, and related fields.

PUBLICATIONS

[1] **Microservice Provisioning and Event-Driven Adaptation in Heterogeneous IoT Settings**
Yuqiao Li, Fangqi Liu, *Tun-Yuan Chang*, Cheng-Hsin Hsu, and Nalini Venkatasubramanian
Submitted to Pervasive and Mobile Computing Journal (PMC), Elsevier (underreviewed)

EXPERIENCE

Ambient Intelligence for Immersive Networked Systems Lab @ NTHU Mar. 2024 - Present
Research Assistant Advisor: Prof. Cheng-Hsin Hsu

Research Description: Digital Twins, Smart Cities, and Large Language Models

- **Routing in Smart Cities**
- **NS-3 and MAVLink-Based Unmanned Aerial Vehicle (UAV) Simulation**
- **Large Language Models for Internet-of-Thing (IoT) Applications**
Spatial-Temporal Forecasting of Air Quality

EECS3020 Introduction to Computer Networks Course @ NTHU Sep. 2024 - Dec. 2024
Teaching Assistant

- Offering tutorials to support students in understanding fundamental concepts.
- Collaborating with course instructors in designing course materials, assignments, exams, and grading.

Network Research Lab @ Academic Sinica Jun. 2024 - Aug. 2024
Summer Intern of Institute of Information Science PI: Prof. Ling-Jyh Chen

Research Description: Navigation Systems, and Interactive Maps

- Building up the navigation system with open-source project GraphHopper.
- Visualizing the interactive map with open-source project Leaflet.

Last update: March 5, 2025