

TUN-YUAN CHANG

Taichung, Taiwan

✉ tunyuan.nthu@gmail.com [in tunyuanchang](https://www.linkedin.com/in/tunyuanchang) [github tunyuanchang](https://github.com/tunyuanchang)

EDUCATIONS

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

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

RESEARCH INTERESTS

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

PUBLICATIONS

EXPERIENCE

Networking and Multimedia Systems Lab @ NTHU Mar. 2024 - Present
Research Assistant Advisor: Prof. Cheng-Hsin Hsu

Research Description: Routing Algorithms, Smart Cities

- **Efficient Healthy Route Lookup for Heterogeneous Mobility Modes in Smart Cities**

EECS3020 Introduction to Computer Networks Course @ NTHU Fall 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, Interactive Maps

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