

# HAOTIAN(JIMMY) GAO

(+86) · 15524264809 ◇ jimmygao1202@gmail.com

## EDUCATION

<b>The University of Tokyo</b> <i>Phd in Information Science and Technology</i>	04/2025-present Japan
<b>The University of Tokyo</b> <i>M.S in Socio-Cultural Environmental Studies</i>	04/2023-03/2025 Japan
<b>Southern University of Science and Technology</b> <i>B.E in Computer Science</i>	09/2018-07/2022 Shenzhen, China
Overall GPA: 3.76/4.0	

## PUBLICATIONS

- [arXiv] **Haotian Gao**, Renhe Jiang, Zheng Dong, Jinliang Deng, and Xuan Song. Spatio-temporal-decoupled masked pre-training for traffic forecasting. Proc. of the 33rd International Joint Conference on Artificial Intelligence (IJCAI), 2024.
- [arXiv] Zheng Dong\*, Renhe Jiang\*, **Haotian Gao**, Hangchen Liu, Jinliang Deng, Qingsong Wen, and Xuan Song. Heterogeneity-informed meta-parameter learning for spatiotemporal time series forecasting. Proc. of the 30th ACM Conference on Knowledge Discovery and Data Mining (SIGKDD), 2024.

## RESEARCH EXPERIENCE

<b>Research Assistant</b> <i>Graph Neural Networks for Spatiotemporal Data</i>	12/2023 - present IST, The University of Tokyo
· - Under project [Society 5.0 System Software] <b>Creation of System Software for Society 5.0 by Integrating Fundamental Theories and System Platform</b>	
- Research on Reliable Foundation Models in Spatiotemporal Data	
<b>Research Assistant</b> <i>Anomaly Causality Detection and Prediction for Spatiotemporal Data</i>	07/2022 - 03/2023 SUSTech
· - Used LIME and SHAP to interpret the model locally and globally	
- Developed a newly visual analysis system to interpret traffic flow prediction with SHAP	

## TECHNICAL SKILLS & HOBBIES

<b>English Qualification</b>	TOEFL-iBT-Test Score of 101
<b>Programming Languages</b>	Python, Java, C/C++, C#, MIPS, JS, SQL
<b>Hobbies</b>	Programming, Badminton, Basketball

## AWARDS & SCHOLARSHIP

<b>BOOST NAIS Scholarship</b>	03/2025-03/2028
<b>Mathematical Contest in Modeling</b>	Honorable Mention, 02/2021
<b>National College Computer Ability Competition</b>	Second prize of South China, 11/2020
<b>Merit Student Scholarship</b>	The Third Honor Roll, 11/2019
<b>NUS SOC Summer Workshop</b>	Best Project Award, 07/2021
<b>Software Copyright</b>	SUSTech landlord game, 07/2021