

# HE ZHU

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## EDUCATION

<b>Peking University</b> M.S., major in Smart City and Big Data Prof. Wenjia Zhang	Sep 2024 - Present Beijing, China
<b>Southern University of Science and Technology</b> B.E., major in Computer Science GPA: 90.2/100, Rankings: 10%. Prof. Xuan Song	Sep 2020 - Jul 2024 Shenzhen, China

## PROFESSIONAL EXPERIENCE SERVICE

<b>Microsoft Research Asia (MSRA), GenAI Group</b> <i>Research Intern, Supervisor: Prof. Li Dong</i>	Oct 2025 - Present Beijing, China
<b>Shanghai AI Laboratory, OpenData Lab</b> <i>Researcher, Foundation Language Models</i>	May 2025 - Oct 2025 Shanghai, China
<b>SenseTime</b> <i>Researcher, Foundation Language Models</i>	June 2024 - Sep 2024 Shenzhen, China
<b>LocationMind</b> <i>Project Assistant, Autonomous Driving Algorithm Engineer</i>	June 2023 - Dec 2023 Tokyo, Japan

## PROJECT

<b>PlanGPT Series: Large Model for Urban Planning and Design</b> <i>Peking University, Beijing, China</i>	Sep 2023 – Present <i>First Author and Technical Lead</i>
<ul style="list-style-type: none"><li>Led the PlanGPT project, the first systematic exploration of LLMs in urban planning, including: (1) <b>PlanGPT</b>: language model for planning scheme generation, (2) <b>PlanGPT-VL</b>: first vision-language model for planning maps, (3) <b>PlanGPT-Rr</b>: reasoning-enhanced model for document understanding, (4) <b>UP-Bench</b>: first benchmark dataset for urban planning LLM tasks, (5) applied systems (Urban-Thinking, <b>Copplanner</b>, AuditPlanner) deployed in top planning institutes.</li></ul> <p>[GitHub: <a href="https://plangpt.github.io/">https://plangpt.github.io/</a>]</p>	

## SELECTED PUBLICATIONS

<b>Anchored Supervised Fine-Tuning</b> <i>He Zhu*, Junyou Su*, Peng Lai*, Wenjia Zhang, Linyi Yang, Guanbua Chen</i> [Code: <a href="https://github.com/zhuchichi56/ASFT">https://github.com/zhuchichi56/ASFT</a> ]	ICLR 2026
<b>PlanGPT: Enhancing Urban Planning with Tailored Language Model</b> <i>He Zhu, Wenjia Zhang, Guanbua Chen</i> [Available at: <a href="https://arxiv.org/abs/2402.19273">https://arxiv.org/abs/2402.19273</a> ]	ACL Industry, 2025 (Oral)
<b>Augmenting High-Quality Instruction Data with Open-Sourced LLMs Only</b> <i>He Zhu, Yifan Ding, Yicheng Tao, Zhiwen Ruan, Yixia Li, Wenjia Zhang, Yun Chen, Guanbua Chen</i> [Available at: <a href="https://aclanthology.org/2025.findings-acl.906/">https://aclanthology.org/2025.findings-acl.906/</a> ]	ACL, 2025 (Findings)

**Tag-Instruct: A Scalable Framework for Controlled Instruction-Tuning Data Synthesis** ACL, 2025 (Findings)  
*He Zhu*, Zhiwen Ruan, Junyou Su, Xingwei He, Yun Chen, Wenjia Zhang, Guanhua Chen  
[Available at: <https://aclanthology.org/2025.findings-acl.911/>]

**PlanGPT-VL: Vision-Language Model for Urban Planning Maps** EMNLP Industry, 2025  
*He Zhu\**, Junyou Su\*, Minxin Chen\*, Yun Chen, Guanhua Chen, Wenjia Zhang  
[Available at: <https://arxiv.org/pdf/2505.14481>]

**Personalized Individual Trajectory Prediction via Meta-Learning** SIGSPATIAL, 2022  
*He Zhu*, Liyu Zhang, Zipei Fan  
Seattle, USA  
[Available at: <https://dl.acm.org/doi/abs/10.1145/3557915.3565536>]

**WORKING PAPERS**

**AlignDiff: Exploiting Model-Intrinsic Information for Better Data Selection** ICLR 2026 Submission  
*Peng Lai\**, *He Zhu\**, Zhiwen Ruan, Dongdong Zhang, Yun Chen, Peng Li, Furu Wei, Yang Liu, Guanhua Chen

**InstructDiff: Domain-Adaptive Data Selection via Differential Entropy** ACL 2026 Submission  
*Junyou Su\**, *He Zhu\**, Guanhua Chen  
[Code: <https://github.com/zhuchichi56/Instruct-diff>]

**CoBench: Fair Router Evaluation for Collaborative LLMs** ACL 2026 Submission  
*Wanxing Wu\**, *He Zhu\**, Yixia Li\*, Yun Chen, Guanhua Chen  
[Code: <https://github.com/zhuchichi56/Co-Bench>]

**RESEARCH EXPERIENCE**

**SUSTech-NLP Group, SUSTech** Nov 2023 - Present  
*Research Assistant, Supervisor: Prof. Guanhua Chen*  
Shenzhen, China  
Focus on instruction data synthesis and distillation, leveraging LLMs for high-quality data generation.

**Center for Spatial Information Science (CSIS), UTokyo** Feb 2022 - May 2022, Jul 2023 - Sep 2023  
*Research Assistant, Supervisor: SHIBASAKI Ryosuke, Prof. Zipei Fan*  
Tokyo, Japan  
Focus on end-to-end trajectory prediction and group interaction modeling for traffic agents.

**School of Computing Summer Workshop, NUS** May 2022 - Jul 2022  
*Visiting Student*  
Singapore  
Focus on human behavior prediction, trajectory tracking, and IoT.

**SELECTED AWARDS & SERVICE**

Outstanding Graduate, Department of Computer Science, SUSTech (top 5%)	2024
Outstanding Graduate, SUSTech (top 5%)	2024
Outstanding Thesis, SUSTech (top 10%)	2024
Annual Outstanding Student, SUSTech (top 10%)	2021, 2022, 2023
Outstanding Communist Youth League Branch Secretary, Peking University	2025
ARR Reviewer	2024, 2025