SIHENG ZHAO

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🎓 EDUCATION

Nanjing University (NJU), Nanjing, China   Sep. 2020 – Present

B.S. in Artificial Intelligence (AI)

- GPA 95.2/100, Rank 1/99
- 95+/100 Courses: Machine Learning, Data Structures & Algorithms, Probability Theory & Statistics, Advanced Algebra, Real variable function & Functional analysis, Optimization Methods and 15 others

National University of Singapore (NUS), Singapore   Jan. 2023 – Present

Fully-funded Exchange in Computer Science (CS)

👥 EXPERIENCE

Undergrad Research Intern NUS CS Department   Jun. 2022 – Present

Advised by Prof. Lin Shao Singapore

Research Keywords: Robotics, Cloth Manipulation, Differentiable Simulation & Rendering

Undergrad Research Intern NJU NLP Group   Feb. 2022 – Dec. 2022

Advised by Prof. Shujian Huang Nanjing, China

Research Keywords: Neural Machine Translation, Domain Adaptation

📖 PUBLICATIONS

1. **KnotBot: Model-based Learning to Knot a Tie from Visual Demonstration with Differentiable Physics-based Simulation**
   Prepare for: IROS-2023
2. **ClothesNet: A Simulated Clothes Manipulation Environment with 3D Model Repository**
   Prepare for: IROS-2023
3. **kNN-BOX: A Unified Framework for Nearest Neighbor Generation**
   Wenhao Zhu*, Qianfeng Zhao*, Yunzhe Lv*, Shujian Huang, **Siheng Zhao**, Sizhe Liu, Jiajun Chen
   In submission: ACL-2023 (Demo Track)
4. **Nearest Neighbor Data Selection for Domain Adaptation**
   Wenhao Zhu, Shujian Huang, Xin Zheng, **Siheng Zhao**, Yunzhe Lv, Xinyu Dai, Jiajun Chen
   In submission: ACL-2023 (Workshop)

⚙ SKILLS

- Programming Languages: Python, C++, C, Bash, LaTeX, Markdown, Java
- Platform: Linux, Mac
- Tech Skills: Pytorch, Git, CMake, Nimble, Fairseq, STL, JAX, Pybullet
- Languages: English - Fluent, Mandarin - Native

♡ HONORS AND AWARDS

National Scholarship , Top 0.2% national-wide	Nov. 2021
China Telecom Scholarship , 1700 quota of people national-wide	Nov. 2021
Heng Fang Scholarship , 8 quota of people in NJU	Nov. 2022