

# Shuixiunan Zhang

Zijing Dormitory, Tsinghua University, Beijing, 10084, P.R.China

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## Education

- Major: Computer Science
- GPA: 3.82/4.00, rank 43/90
- Yao Class, IIIS, Tsinghua University, 2021-now
- Hangzhou Xuejun Highschool, 2018-2021
- Hangzhou Wenlan Middle School, 2015-2018

## Experience

- Research on Communication in Multi-Agent Reinforcement Learning, Instructed by Dr.Zhixuan Fang in IIIS, currently
- Research on a Self-Developed Information Eliciting Model, Shuixiunan Zhang & Weiliang Wang, Instructed by Dr.Zhixuan Fang in IIIS, 2023
- "New Star" Academic Program on Real-Time Translucent Neural Rendering, Di An & Shuixiunan Zhang & Shuzhen Li, Instructed by Dr.Kun Xu in Department of Computer Science, 2022
- Address on IIIS Opening Ceremony, 2021
- Monitor of Yao Class 14, 2021-2022

## Projects

- Implementation and Improvement on a 3D Hierarchical Torus Network Topology and its Corresponding Deadlock-Free Routing Algorithm, Shuixiunan Zhang & Ran Tao, 2023

- Distributed Computation on Matrix Multiplication with Concurrency, Shuixiunan Zhang & Xingchen Miu, 2023
- Implementation of RISC-V Processor Model with High Performance Cache, Shuixiunan Zhang, 2022
- Implementation of a Group of Machine Learning Model Including Random Forest and XGBoost, 2022
- Implementation of Stochastic Algorithms for 2D Ising Model, 2022
- Multimedia Processing Based on FFmpeg, 2022
- Implementation on a Tax-Free Stock Market Model, 2022
- Implementation of a Distributed Database Model with Computing and Storage Nodes, 2022

## Honor and Awards

- Scholarship of Institute for Interdisciplinary Information Core Technology, First Prize, 2022
- Chinese Physics Olympiad, Second Prize, 2019
- Tsinghua Physics Camp, First Prize, 2019
- National English Proficiency Competition for Middle School Students, Second Prize, 2018
- National Oral English Innovative Proficiency Contest for Middle School Students, Second Prize, 2018

## Skills

- Programming: C/C++, Python, Matlab, Latex, HTML, SQL, etc.
  - English: Fluent Reading and Writing, Toffel 102
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