


Yipeng Liu

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 IIIS, Tsinghua University  April 2002  Shanghai

Highly motivated Ph.D. student of IIIS, Tsinghua University with robust skills in design and programming. Proficient in coding while enthusiastic about computer technologies. Open-source advocate, proudly a member of the [TUNA](#) community. Have participated in numerous projects and competitions across both software and hardware domains, winning several top awards. Cycling and swimming lover, having a strong sense of team spirit and communication.

Competences & Languages

Programming C/C++, Python, Rust
SQL, Shell, Web
 **English** Shanghai NMET 137
CET4 647 / CET6 623

Research Experiences

| | |
|---------|---|
| Present | Huanchen Zhang, Institute for Interdisciplinary Information Sciences |
| 2021.06 | Automatic reclustering algorithm for cloud data warehouse in Database |
| 2020.10 | Zhiyuan Liu, Department of Computer Science and Technology |
| 2020.02 | Network structure on rumor propagation during the COVID-19 epidemic in NLP |

Projects & Awards

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| 2022.06 | Outstanding Graduate Department of Computer Science and Technology. |
| 2021.08 | CSC Compiler Contest (C++, ARM) |
| 2021.04 | First Prize, Bisheng Special Award. |
| 2021.05 | NaiveDB (C++, SQL) |
| 2020.10 | On-disk database system with support of INDEX, JOIN, MVCC and WAL. |
| 2020.10 | Scholarships Academic Progress, Social Work, Innovation, Volunteer. |
| 2021.01 | Untitled Router (Verilog, RISC-V, C) |
| 2020.09 | RIPv2 compatible router on self-designed RISC-V processor of five-stage pipelining. |
| 2020.04 | 109th Anniversary of Tsinghua University Online (Flask, Vue) |
| 2020.03 | Over a million visits with several letters of thanks from senior alumni. |
| 2019.12 | Electronic Design Competition (STM32, C) |
| 2019.10 | First Prize, SenseTime Special Award. |
| 2019.04 | Tsinghua's Challenge Cup Second Prize, one patent. |
| 2017.05 | International Mathematical Modeling Challenge Outstanding Winner. |
| 2016.04 | Mathematical Contest in Modeling Meritorious Winner. |