

刘一凡

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🏫 清华大学·交叉信息研究院 🏠 2002-04 🏠 上海

交叉信息研究院博士一年级在读，计算机科学与技术系本科优秀毕业生，现任学生网络与开源软件协会 (TUNA) 会长。热爱计算机专业，熟悉 C++, Python 等编程语言与 GNU/Linux 的使用，具有一定英文基础。完成多个挑战性课程项目并参与校级项目，在软硬件领域、工程与科研方向均进行了探索与尝试，取得全国特等奖在内的多项荣誉，并曾入围系综合奖学金答辩。实践开源精神，参与开源社区活动并积极开放源代码；加入答疑坊等志愿组织，累计志愿服务时长超五百小时。公路骑行与游泳爱好者，现役交叉信息研究院泳队。

🔧 技能和语言

编程 C/C++, Python, Rust
SQL, Shell, Web

🇨🇳 英语 上海英语高考 137 分
大学英语四级考试 647 分 / 六级考试 623 分

🎓 科研经历

现在	交叉信息研究院·张焕晨
2021.06	数据库·云数据仓库存储格式与自动聚合
2020.10	计算机科学与技术系·刘知远
2020.02	自然语言处理·疫情谣言传播结构分析

🏆 主要项目与荣誉


2022.06	计算机系优秀毕业生·酒井之星
2021.08	全国大学生计算机系统能力培养大赛 (C++, ARM)
2021.04	编译系统设计赛特等奖，并获华为毕昇杯
2021.05	NaiveDB++ (C++, SQL)
2020.10	支持持久化序列存储、索引加速、JOIN 操作、MVCC 与 WAL 故障恢复的数据库框架
2020.10	计算机系单项奖学金·学业进步、社会工作、科技创新、志愿公益
2021.01	Untitled Router (Verilog, RISC-V, C)
2020.09	在 FPGA 上实现五级流水线 RISC-V 处理器，并基于此实现支持 RIPv2 协议的硬件转发引擎
2020.04	109 周年校庆云合影 (Flask, Vue)
2020.03	访问量达百余万，收到多封知名校友感谢信
2019.12	清华大学第二十一届电子设计大赛 (STM32, C)
2019.10	基于传感器的智能车对战积分赛，商汤特等奖
2019.04	清华大学第三十七届挑战杯·交叉学科二等奖、发明专利一项
2017.05	国际数学建模挑战赛·大中华区特等奖 Outstanding Winner
2016.04	美国大学生数学建模竞赛·一等奖 Meritorious Winner

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

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.