

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

## 🧰 Projects & Awards

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