



QIQIAN CHEN

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in Qiqian Chen

🎓 EDUCATION

Tsinghua University , Beijing, China	2020.9 – 2024.7(estimated)
<i>Undergraduate, Software Engineering</i>	
<i>Cumulative GPA 3.797/4, rank ~ 20/93</i>	
University of Waterloo , Waterloo, Canada	2022.9 – 2023.1
<i>Term Exchange, Faculty of Mathematics</i>	
<i>Term Faculty Average 94.67/100</i>	
The High School Affiliated to Renmin University , Beijing, China	2017.9 – 2020.7

🧩 PROJECTS

Click the title to jump to the repository.	
Coding Online , a Web Python IDE with Vue3, Typescript and Flask	2022.7 – 2022.8
Campus Net , a fake campus net interface with Vue3, Typescript and Flask	2022.7
ThssDB , a small toy database system with Java, Thrift and ANTLRv4	2022.6
cpp2llvm , a C to LLVM compiler using ANTLRv4	2021.12
ThuConqueror , a turn-based strategy chess game with Qt Graphics	2021.9
No Gugu Todo List , a todo list with Wechat Miniprogram framework	2021.2 – 2021.7
ERISC Simulator , a C++ simulator of an extremely reduced instruction set	2020.11

📖 EXPERIENCES

Quantum Circuit Optimization	2022.3-
<i>Student Research Training Program, Tsinghua University</i>	
<ul style="list-style-type: none">Supervised by Prof. Zhengfeng JiCurrently focus on efficient simulations of the quantum circuit with modern hardware	
High Performance Computing Framework in Graph Mining	2021.12-2022.10
<i>Academic Rising Star Program, Department of Computer Science and Technology, Tsinghua University</i>	
<ul style="list-style-type: none">Supervised by Prof. Jidong ZhaiWorked on a GPU Graph Mining system named <i>GraphIndor</i>, and the paper was submitted	

⚙️ SKILLS

- Language: C++, CUDA (Expert); Python, JS/TS (Proficient); Rust, Java (Novice)
- Framework: Qt, Vue.js, Flask, WeChat Miniprogram
- Tools: Git, \LaTeX , Docker, Linux (Cluster experience), Windows
- English: IELTS 7.5 (R9.0, L8.5, W6.5, S6.0) TOEFL 106(R30, L27, S23, W26)

♥️ SCHOLARSHIPS AND HONOURS

Social Work Outstanding Scholarship, Tsinghua University	2022.11
Honorable Mention(20%), 2022 The Interdisciplinary Contest in Modeling	2022.2
Comprehensive Outstanding Scholarship(20%), Tsinghua University	2021.11
Third Prize, 2021 China Wechat Program Developing Competition	2021.8
First Prize(20%), 2018 National Olympics of Information, Province(NOIp)	2018.11