

EDUCATION	<p>School of Software, Tsinghua University Beijing, China <i>MSE in Software Engineering</i> 2022 - 2025 (<i>expected</i>)</p> <ul style="list-style-type: none"> GPA: 3.73/4.00 Research area: Systems, Cybersecurity <p>College of Computer Science and Hongshen Honors School, Chongqing University Chongqing, China <i>B.E. in Computer Science and Technology</i> 2018 - 2022</p> <ul style="list-style-type: none"> GPA: 3.9/4.0, Weighted Average Mark: 91.64, Ranking: 1/27
PUBLICATIONS	<p>1. Changhua Chen, Tingzhen Yan, Chenxuan Shi, Hao Xi, Zhirui Fan, Hai Wan, and Xibin Zhao. The Last Mile of Attack Investigation: Audit Log Analysis towards Software Vulnerability Location. <i>IEEE Transactions on Information Forensics & Security</i>, 2024.</p>
INTERNSHIPS	<p>Meituan Beijing, China 2024.05 - 2024.08</p> <ul style="list-style-type: none"> Downgrade query by truncating recall in the Query Engine. Downgrade the topK parameter of vector index queries. An in-place update scheme for the real-time inverted index of the storage engine was designed. Refine storage engine monitoring and implement memory monitoring for different tables. <p>Byte Dance Beijing, China 2021.10 - 2022.01</p> <ul style="list-style-type: none"> Feature task platform migration. Migrate the feature calculation tasks on Dorado to the team's self-developed platform. Batch task logic reconstruction. Optimize feature calculation logic mainly to reduce invalid traversal during aggregation and optimize sorting when truncating results.
PROJECTS	<p>C language compiler design</p> <p>I implemented a C language compiler that supports a subset of the C language, generates runnable mips assembly code, and supports error detection. 2021.05 - 2021.06</p> <p>MIPS CPU design</p> <p>A five-stage pipeline CPU was completed, which supports 57 instructions and exception processing. 2021.01 - 2021.02</p>
AWARDS AND HONORS	<ul style="list-style-type: none"> Friends of Tsinghua-Glodon Technology Research Scholarship, Tsinghua University 2023 Chinese Academy of Sciences Undergraduate Scholarship, Chinese Academy of Sciences 2020 Yan Jici Class Scholarship, Chinese Academy of Sciences, 2020 Chongqing University Comprehensive Scholarship*4, Chongqing University 2020 Chongqing University Excellent Student, Chongqing University 2020 The second prize of Mathematics competition of Chinese College Students, The Chinese Mathematical Society 2019 The first prize of Chongqing University Mathematics Competition, Chongqing University 2019
SKILLS	<p>Languages: Chinese, English.</p> <p>Programming: C/C++, python, java, assembly, gcc, make, gdb, git, Spark.</p>