

EDUCATION	<p><b>School of Software, Tsinghua University</b> Beijing, China  <i>MSE in Software Engineering</i> 2022 - 2025 (<i>expected</i>)</p> <ul style="list-style-type: none"> <li>GPA: 3.71/4.00</li> <li>Research area: cybersecurity</li> </ul> <p><b>College of Computer Science and Hongshen Honors School, Chongqing University</b> Chongqing, China  <i>B.E. in Computer Science and Technology</i> 2018 - 2022</p> <ul style="list-style-type: none"> <li>GPA: 3.89/4.00, Weighted Average Mark: 91.32, Rank: 1/27.</li> </ul>
PUBLICATIONS	<p>1. Changhua Chen, <b>Tingzhen Yan</b>, 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 &amp; Security</i>, 2024.</p>
INTERNSHIPS	<p><b>Meituan</b>   Beijing, China 2024.05 - 2024.08</p> <ul style="list-style-type: none"> <li>Downgrade query by truncating recall in the Query Engine. Downgrade the topK parameter of vector index queries.</li> <li>An in-place update scheme for the real-time inverted index of the storage engine was designed.</li> <li>Refine storage engine monitoring and implement memory monitoring for different tables.</li> </ul> <p><b>Byte Dance</b>   Beijing, China 2021.10 - 2022.01</p> <ul style="list-style-type: none"> <li>Feature task platform migration. Migrate the feature calculation tasks on Dorado to the team's self-developed platform.</li> <li>Batch task logic reconstruction. Optimize feature calculation logic mainly to reduce invalid traversal during aggregation and optimize sorting when truncating results.</li> </ul>
PROJECTS	<p><b>C language compiler design</b></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><b>MIPS CPU design</b></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"> <li><b>Friends of Tsinghua-Glodon Technology Research Scholarship</b>, Tsinghua University 2023</li> <li><b>Chinese Academy of Sciences Undergraduate Scholarship</b>, Chinese Academy of Sciences 2020</li> <li><b>Yan Jici Class Scholarship</b>, Chinese Academy of Sciences, 2020</li> <li><b>Chongqing University Comprehensive Scholarship*4</b>, Chongqing University 2020</li> <li><b>Chongqing University Excellent Student</b>, Chongqing University 2020</li> <li><b>The second prize of Mathematics competition of Chinese College Students</b>, The Chinese Mathematical Society 2019</li> <li><b>The first prize of Chongqing University Mathematics Competition</b>, Chongqing University 2019</li> </ul>
SKILLS	<p><b>Languages:</b> Chinese, English.</p> <p><b>Programming:</b> C/C++, python, java, assembly, gcc, make, gdb, git, Spark.</p>