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|-------------------------|---|-------------------------------------|
| EDUCATION               | <b>Hong Kong Baptist University</b><br>Ph.D. Student in Computer Science<br>Advisor: Prof. Jianliang Xu   | Hong Kong<br>Sep 2018 – Present     |
|                         | <b>Huazhong University of Science and Technology</b><br>Bachelor of Engineering in Electronics and Information Engineering  | Wuhan, China<br>Sep 2014 – Jun 2018 |
| RESEARCH INTERESTS      | <p>I am interested in Databases, Blockchain technologies and verifiable computation. My current focuses include:</p> <ul style="list-style-type: none"> <li>• Leverage zk-tools (SNARKs/STARKs) to realize succinct Blockchain system.</li> <li>• Blockchain applications on Database systems.</li> <li>• Verifiable query processing for outsourcing cloud computing.</li> </ul> |                                     |
| PROFESSIONAL EXPERIENCE | <b>Hong Kong Baptist University</b><br><b>Ph.D. Student</b>   | Hong Kong<br>Sep 2018 – Present     |
|                         | <ul style="list-style-type: none"> <li>• Leverage SNARKs/STARKs to achieve succinct blockchain system and verifiable smart contract.</li> <li>• Completed demo systems for verifiable query processing.</li> </ul>  |                                     |
|                         | <b>Huazhong University of Science and Technology</b><br><b>Final Year Project</b>   | Wuhan, China<br>Dec 2017 – Jun 2018 |
|                         | <ul style="list-style-type: none"> <li>• Advisor: Dr. Xiaojun Hei</li> <li>• Designed and Implemented a demonstration system which provides verifiable attribute-based search over shared data.</li> </ul>  |                                     |
|                         | <b>Huazhong University of Science and Technology</b><br><b>Training Program of Innovation and Entrepreneurship</b>  | Wuhan, China<br>Sep 2015 – Jun 2016 |
|                         | <ul style="list-style-type: none"> <li>• Advisor: Dr. Jiaqing Hua</li> <li>• Constructed lattice network coding transmission schemes of heterogeneous channels of lattice-based physical-layer network.</li> </ul>  |                                     |
| PUBLICATIONS            | <p>1. <b>Y. Ji</b>, C. Xu, J. Xu, and H. Hu, “vABS: Towards verifiable attribute-based search over shared cloud data,” in <i>Proceedings of the 35th IEEE International Conference on Data Engineering (ICDE '19)</i>, Macau SAR, China, Apr. 2019, Demo Paper.</p>   |                                     |
| SKILLS                  | <p><b>Programming</b> C++, Matlab, Python, Javascript, HTML, CSS<br/> <b>Tools</b> macOS, Linux<br/> <b>Languages</b> English, Mandarin</p>   |                                     |
| TEACHING                | • COMP7320 Professional Methodologies for Information Systems Teaching Assistant  | 2019                                |
| LIFE INTERESTS          | <ul style="list-style-type: none"> <li>• I’m a dizi (Chinese Bamboo Flute) amateur and once obtained the certificate of dizi lv.10 granted by Nanjing University of the Arts.</li> <li>• I enjoy reading. My favorite writer is Albert Camus and Mu Xin. Thus, I’m also deeply affected by existentialism.</li> </ul>   |                                     |
| VOLUNTEER WORK          | • Member of the Alumni Association of HUST  | Mar 2015 – Mar 2018                 |
|                         | • Member of the Social Practice Center of HUST  | Mar 2015 – Jun 2016                 |
|                         | • Volunteer on Robomaster National Robot Competition  | Jun 2016                            |