

**Yu Feng**  
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| <b>Education</b>                  | <b>Duke University</b> , Durham, NC<br><i>M.S. Economics and CS, School of Computer Science and School of Economics</i>                                                                                                                                                                                                                       | Aug 2021 - May 2023  |
|                                   | <b>Renmin University of China</b> , Beijing, China<br><i>B.S. in Mathematics and Applied Mathematics, School of Mathematics and School of Information</i>                                                                                                                                                                                     | Sep 2016 - June 2020 |
| <b>Preprint &amp; Publication</b> | <b>Yu Feng, Ben Zhou, Haoyu Wang, Helen Jin, Dan Roth, “Generic Temporal Reasoning with Differential Analysis and Explanation” (arXiv preprint, in submission to ACL 2023) [PDF]</b>                                                                                                                                                          |                      |
|                                   | <b>Yu Feng, Jing Zhang, Xiaokang Zhang, Lemao Liu, Cuiping Li, Hong Chen, “Injecting Numerical Reasoning Skills into Knowledge Base Question Answering Models” (arXiv preprint, under second-round review for IEEE TKDE) [PDF]</b>                                                                                                            |                      |
|                                   | <b>Yu Feng, Jing Zhang, Gaole He, Xin Zhao, Lemao Liu, Quan Liu, Cuiping Li, Hong Chen, “A Pre-training Numerical Reasoning Model for Knowledge Base Question Answering” (EMNLP 2021 Findings) [PDF]</b>                                                                                                                                      |                      |
| <b>Research Experience</b>        | <b>Cognitive Computation Group @ UPenn</b> (Advisor: <a href="#">Dan Roth</a> )<br><b>Generic Temporal Reasoning with Differential Analysis and Explanation</b><br>Introduced a novel framework and dataset that aims to interpret and evaluate if a temporal model can make correct predictions instead of using spurious information.       | May 2022 - Present   |
|                                   | <b>Duke University</b> (Advisor: <a href="#">Sam Wiseman</a> )<br><b>Rethinking Searching in Generative Retrieval</b> (Co-Advisor: <a href="#">Karl Stratos</a> )<br>Worked on analyzing the inference searching errors for a generative retrieval model.                                                                                     | May 2022 - Present   |
|                                   | <b>Tencent AI Lab with Renmin University of China</b><br><i>Post Undergraduate Research Assistant</i> (Advisor: <a href="#">Jing Zhang</a> , <a href="#">Lemao Liu</a> )<br><b>Numerical Reasoning on Knowledge Base Question Answering</b><br>Proposed a new embedding-based KBQA framework that particularly considers numerical reasoning. | Oct 2020 - Dec 2021  |
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| <b>Industry Experience</b>        | <b>Bosch Center for Artificial Intelligence</b> , Shanghai, China<br><i>Research and Engineering Intern</i>                                                                                                                                                                                                                                   | July 2020 - Oct 2020 |
|                                   | <b>Liangyu Asset Management with Renmin University of China</b><br><i>Quantitative Research Intern</i> (Advisor: <a href="#">Yueguo Chen</a> )                                                                                                                                                                                                | Sep 2019 - Jun 2020  |
|                                   | <b>Cofco Futures</b> , Beijing, China<br><i>Trader Intern</i>                                                                                                                                                                                                                                                                                 | Dec 2019 - Feb 2020  |
|                                   | <b>China Foreign Exchange Trade System</b> , Shanghai, China<br><i>Quantitative Developer Intern</i>                                                                                                                                                                                                                                          | July 2019 - Sep 2019 |
|                                   | <b>Eastmoney Securities</b> , Shanghai, China<br><i>Quantitative Research Intern</i>                                                                                                                                                                                                                                                          | Nov 2018 - Feb 2019  |
| <b>Services &amp; Experience</b>  | <b>Conferences Attended:</b> NAACL 2022, SMP 2022 (Presentation), EMNLP 2021 (Presentation)<br><b>Reviewer Services:</b> ACL 2023, KDD 2021(Sub-reviewer), AAAI 2021, ARR                                                                                                                                                                     |                      |