

Binbin Gu

Department of Computer Science, University of California, Irvine

binbing@uci.edu | +1 (831) 400-9513
<https://tuzijun111.github.io/>

EDUCATION	University of California, Irvine, USA <i>Ph.D.</i> , Information and Computer Science Advisor: Faisal Nawab June 2024 (<i>Expected</i>)
	University of California, Santa Cruz, USA <i>Ph.D. student</i> , Computer Science and Engineering Advisor: Faisal Nawab December, 2020
	Soochow University, China <i>Masters</i> in Software Engineering June, 2017
	Qilu University of Technology, China <i>Bachelors</i> in Information and Computing Science June, 2014
RESEARCH EXPERIENCE	University of California, Santa Cruz September, 2019-Present Solving the balanced partitioning problem in distributed systems under dynamic scenarios (with machine learning techniques). Efficient dynamic record linkage with machine learning models
	Soochow University July, 2014-June, 2019 Data fusion on big data Data Imputation and truth finding from the web
EMPLOYMENT EXPERIENCE	University of California, Santa Cruz April, 2020-June, 2020 Teaching Assistant. Teaching the course: Database Systems
	Soochow University, China July, 2017-June, 2019 Research Assistant. Working on data cleaning, data fusion, and truth discovery together with Prof. Zhixu Li and Prof. Xiaofang Zhou
	King Abdullah University of Science and Technology April, 2016-October, 2016 Internship in King Abdullah University of Science and Technology (KAUST). Working on data fusion project with Prof. Xiangliang Zhang
SOFTWARE SKILLS	Programming: Java, Python, C++, Jupyter Other: L ^A T _E X Databases: PostgreSQL, MySQL
INTERESTS	Sports: Basketball, Swimming, Hiking
PUBLICATIONS	<ol style="list-style-type: none">Dawei Chen, Zhixu Li, Binbin Gu, An Liu, Lei Zhao, Zhigang Chen, Guoping Hu: Multimodal Named Entity Recognition with Image Attributes and Image Knowledge. DASFAA (Accepted in January-2021)Jia Chen, Binbin Gu, Zhixu Li, Pengpeng Zhao, An Liu, Lei Zhao: SAEA: Self-Attentive Heterogeneous Sequence Learning Model for Entity Alignment. DASFAA (1) 2020: 452-467Lei Niu, Binbin Gu, Zhixu Li, Wei Chen, Ying He, Zhaoyin Zhang, Zhigang Chen: Fine-grained Entity Typing for Relation-Sparsity Entities. DASFAA (2) 2020: 141-157Binbin Gu, Zhixu Li, An Liu, Jiajie Xu, Lei Zhao, Xiaofang Zhou: Improving the Quality of Web-based Data Imputation with Crowd Intervention. IEEE Trans. Knowl. Data Eng. doi: 10.1109/TKDE.2019.2954087

5. Jiapeng Li, Wei Chen, **Binbin Gu**, Junhua Fang, Zhixu Li, Lei Zhao: Measuring Semantic Relatedness with Knowledge Association Network. DASFAA (1): 676-691 (2019)
6. Zhixu Li, Ying He, **Binbin Gu**, An Liu, Hongsong Li, Haixun Wang, Xiaofang Zhou: Diagnosing and Minimizing Semantic Drift in Iterative Bootstrapping Extraction. IEEE Trans. Knowl. Data Eng. 30(5): 852-865 (2018)
7. **Binbin Gu**, Zhixu Li, Qiang Yang, Qing Xie, An Liu, Guanfeng Liu, Kai Zheng, Xiangliang Zhang: Web-ADARE: A web-aided data repairing system. Neurocomputing 253: 201-214 (2017)
8. **Binbin Gu**, Zhixu Li, Xiangliang Zhang, An Liu, Guanfeng Liu, Kai Zheng, Lei Zhao, Xiaofang Zhou: The Interaction Between Schema Matching and Record Matching in Data Integration. IEEE Trans. Knowl. Data Eng. 29(1): 186-199 (2017)
9. **Binbin Gu**, Zhixu Li, Xiangliang Zhang, An Liu, Guanfeng Liu, Kai Zheng, Lei Zhao, Xiaofang Zhou: The Interaction Between Schema Matching and Record Matching in Data Integration (Extended Abstract). ICDE : 33-34 (2017)
10. Jian Zhou, Zhixu Li, **Binbin Gu**, Qing Xie, Jia Zhu, Xiangliang Zhang, Guoliang Li: CrowdAidRepair: A Crowd-Aided Interactive Data Repairing Method. DASFAA (1) : 51-66 (2016)
11. Qiang Yang, Zhixu Li, **Binbin Gu**, An Liu, Guanfeng Liu, Pengpeng Zhao, Lei Zhao: CTextEM: Using Consolidated Textual Data for Entity Matching. DASFAA (1) : 117-132 (2016)

ACADEMIC
SERVICE

PC memeber of CCKS 2019 and CCKS 2020, External Reviewer of CCF Big Data 2015, DSC 2016, CIKM 2016, CCF Big Data 2016, and ADC 2017, ACM TURC 2019.