

Xihao Xie

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OBJECTIVE Seeking a research **Intern** position in **Data Science** related fields

RESEARCH INTERESTS Service Computing, Recommender System, Machine Learning, Big Data

EDUCATION

2021.08 – 2024.05	Southern Methodist University	Ph.D. in Computer Science
2010.09 – 2013.07	University of Chinese Academy of Science	M.E. in Software Engineering <i>Recommended Exemption</i>
2006.09 – 2010.07	University of Science and Technology of China	B.S. in Computer Science and Technology

PUBLICATIONS

- [1] **X. Xie**, J. Zhang, R. Ramachandran, T. J. Lee, S. Lee, “Learning Context-Aware Service Representation for Service Recommendation in Workflow Composition”, accepted by IEEE/ACIS 22nd International Hybrid Conference on Computer and Information Science (ICIS), 2022. (See demo [HERE](#))
- [2] **X. Xie**, W. Zhang, Y. Yang, Q. Wang, “DRETOM: Developer Recommendation based on Topic Models for Bug Resolution”, in Proceedings of the 8th International Conference on Predictive Models in Software Engineering, Sep. 2012, pp. 19-28.

ON-CAMPUS EXPERIENCE

2022.08 – Present	Department of Computer Science at SMU	Adjunct Faculty
• Lecturing class of discrete mathematics in two sessions		
2021.08 – Present	Department of Computer Science at SMU	Research Assistant
• Research on service discovery and service recommendation using machine learning techniques		
• 1 conference paper accepted, 1 conference paper in preparation, and 1 journal paper in preparation (See demo HERE)		

WORK EXPERIENCE

2020.06 – 2021.07	FAW-VW R&D Center (Chengdu)	Intelligent Marketing Data Platform	Big Data Architect
• Lead a team of 6 engineers and designed architecture and technical specifications			
• Designed and implemented query federation engine using python and Data Studio platform based on superset			
• Research on building intelligent data systems integrating big data systems and machine learning platforms			
• Increased business decision efficiency of the board of newly established electric vehicle division with 10+ times			
2018.04 – 2020.03	Tencent Technology (Beijing)	Intelligent Data Platform	Senior Development Engineer
• Implemented back-end modules of metadata management, data permission control, data persistence and data subscription			
• Implemented data dialects, supporting query federation over various data storages including Excel, TXT, HTML Table			
• Implemented feature of metrics board, supporting automatic inter-source query generation			
• Increased data analytics efficiency with 200+ times for colleague from teams of operation, marketing, sales and tech			
2017.09 – 2018.03	UCredit Financial Services (Beijing)	Financial Big Data Platform	Senior Data Engineer
• Modeled, and generated financial business data reports			
• Implemented the Pigeon, a B/S based data report subscription system			
2016.08 – 2017.08	China Life P&C, Yunnan (Kunming)	BI@Report	Software Development Engineer
• Processed 200+ business reports for colleagues and leaders			
• Built the real-time data crawling system and the external data importing system			
2013.07 – 2016.07	ABC R&D Center (Beijing)	Financial Big Data Platform	Software Development Engineer
• Modeled, processed and generated financial business data reports for ABC’s data warehouse			
• Developed a B/S based schedule monitoring system, increased our team’s work efficiency by 60+ times			

HONORS & AWARDS

2022.03	First Prize of the Department of Computer Science at SMU Research & Innovation Week 2022
2019.08	Best Promotion Defense Award of CDG of Tencent
2013.01	National Scholarship Award of UCAS
2009.09 & 2008.09	Bronze Prizes of Outstanding Student Award of USTC
2006.09	Silver Prizes of Outstanding Freshman Award of USTC

PROFESSIONAL SKILLS

✓ Programming Languages	Python, Java, SQL, Javascript
✓ Web programming	Flask, SpringBoot, Play
✓ Machine Learning	Numpy, PyTorch
✓ Big Data	ETL/ELT, Hadoop, Spark, Kafka, Flink, Superset, Presto