Qing Chen

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Email: qing@ifi.uzh.ch **Github** **Google scholar** **Homepage**

Education

University of Zürich Zürich, Switzerland
Ph.D. in Computer Science Feb. 2020 – 2025 (expected)
Supervisor: Michael Böhlen.

Fudan University Shanghai, China
MEng in Computer Technology; GPA: 3.27/4.0 Sep. 2013 – Feb. 2016
Supervisor: Zijing Tan.

Zhengzhou University Zhengzhou, China
BEng in Computer Science and Technology; Rank (3/200) Sep. 2009 – Jul. 2013

Employment history

Paypal Shanghai, China
Data Engineer May. 2018 - Jan. 2020

Qatar Computing Research Institute Doha, Qatar
Research Assistant Jul. 2015 - Jun. 2017

Publications

An experimental comparison of tree-data structures for connectivity queries on fully-dynamic undirected graphs
Qing Chen, Michael Böhlen, and Sven Helmer. *SIGMOD, 2025.*

Dynamic Spanning Trees for Connectivity Queries on Fully-dynamic Undirected Graphs
Qing Chen, Oded Lachish, Sven Helmer and Michael Böhlen. *VLDB, 2022.*

Graph stream summarization: From big bang to big crunch.
Nan Tang, **Qing Chen**, and Prasenjit Mitra. *SIGMOD, 2016.*

Repair diversification: A new approach for data repairing.
Chu He, Zijing Tan, **Qing Chen**, and Chaofeng Sha. *Information Sciences, 2016.*

Repairing functional dependency violations in distributed data
Qing Chen, Zijing Tan, Chu He, and Chaofeng Sha. *DASFAA, 2015.*

Repair diversification for functional dependency violations
Chu He, Zijing Tan, **Qing Chen**, Zhihui Wang, Chaofeng Sha, and Wei Wang. *DASFAA, 2014.* ***Best Paper Candidate.***

Supervised students	Alex Schindler, now data engineer at SCIGILITY, Zürich Xiaozhe Yao, now Ph.D. student at ETH Systems group Nivedita Nivedita Neeraj Kumar Andrios Michail Xinyu Zhu, now Ph.D. student at UZH DBTG group Yuanzhe Gao Zheng Luo, next UZH DAST Group, now Ph.D. student at UCLA Running Hou, now Ph.D. student at UZH DBTG group
Grant	University of Zürich CanDoc grant, 59,560 CHF
Program Committee and Reviewer	VLDB (2020 external reviewer), NeurIPS (2023), ICLR (2024, 2025), ICML (2024, 2025, 2025 Position Paper Track), AAAI (2025)
Talks	- A scalable connectivity algorithm for fully dynamic graphs. Oracle Labs Zürich, October 2022. - Dynamic Spanning Trees for Connectivity Queries on Fully-dynamic Undirected Graphs. VLDB 2022, Sydney.
Teaching	Teaching assistants, Informatics-II, Spring Semesters of 2020 - 2024 Summary: supervise a group of students who prepare exercises and teach exercises; prepare tasks for exams; correct exams.