

Qing Chen

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[Github](#)

[Google scholar](#)

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Education

University of Zürich

Ph.D. in Computer Science

Supervisor: Michael Böhlen. Co-supervisor: Sven Helmer

Zürich, Switzerland

Feb 2020 – present

Fudan University

MEng in Computer Technology; GPA: 3.27/4.0

Shanghai, China

Sep. 2013 – Feb. 2016

Zhengzhou University

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

Zhengzhou, China

Employment history

Paypal

Data Engineer

Shanghai, China

May. 2018 - Jan. 2020

Qatar Computing Research Institute

Research Assistant

Doha, Qatar

Jul. 2015 - Jun. 2017

Selected 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.

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 -> Ph.D. student at UCLA

Running Hou, now Ph.D. student at UZH DBTG group

Grant

University of Zürich CanDoc grant

Services

VLDB 2020 external reviewer, Neurips 2023 reviewer, ICLR 2024 reviewer, ICML 2024 reviewer, AAAI 2025 program committee member

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.