

# Yuan Qiu

+65 8480 9031 / +86 191 0656 1976  
yuan.qiu@cnrsatcreate.sg

Research Fellow

Personal Web: [qiutedyuan.github.io](https://qiutedyuan.github.io)  
Linkedin: [yuan-qiu-83651910a](#)

## EDUCATION

<b>Ph.D. in Computer Science and Engineering</b> , <i>HKUST</i> , HONG KONG, CHINA Thesis: Constructing Synopsis for Query Answering, supervised by Prof. Ke Yi	Sept 2019 — Aug 2022
<b>M.Phil. in Computer Science and Engineering</b> , <i>HKUST</i> , HONG KONG, CHINA Thesis: Towards Online Aggregation for SPJ Queries, supervised by Prof. Ke Yi	Sept 2017 — Aug 2019
<b>B.Sc. in Math and Economics, and in Computer Science</b> , <i>HKUST</i> , HONG KONG, CHINA First Class Honors, Academic Excellence Award, Academic Achievement Medal	Sept 2013 — Aug 2017
<b>International Exchange Program</b> , <i>Stony Brook University</i> , NEW YORK, USA	Sept 2016 — Dec 2016

## WORK EXPERIENCE

<b>Research Fellow</b> , <i>NUS &amp; CREATE@CNRS</i> , SINGAPORE Topic: Differential Privacy, supervised by Prof. Xiaokui Xiao and Prof. Bogdan Cautis	Jul 2024 — Present
<b>Postdoctoral Fellow</b> , <i>HKUST</i> , HONG KONG, CHINA Topic: Differential Privacy, supervised by Prof. Ke Yi	Jan 2024 — Jun 2024
<b>Big Data Engineer</b> , <i>ByteDance</i> , HANGZHOU, CHINA Products: ClickHouse, EMR StarRocks, Workload Optimization Platform	Sept 2022 — Sept 2023
<b>Intern Engineer</b> , <i>Alibaba Cloud</i> , HANGZHOU, CHINA Topics: Data sketching, Database Optimization	Apr 2021 — Aug 2021
<b>Intern Engineer</b> , <i>Alibaba Cloud</i> , HANGZHOU, CHINA Topics: Approximate query processing, Cardinality Estimation	Jan 2019 — May 2019

## PUBLICATIONS

- [SIGMOD 2025] Sun Dajun, Wei Dong, **Yuan Qiu**, Ke Yi. “Personalized Truncation for Personalized Privacy.”
- [KDD 2022] **Yuan Qiu**, Wei Dong, Ke Yi, Bin Wu and Feifei Li. “Releasing Private Data for Numerical Queries.”
- [VLDB 2022] Ziyue Huang, **Yuan Qiu**, Ke Yi and Graham Cormode. “Frequency Estimation Under Multiparty Differential Privacy: One-shot and Streaming.”
- [SIGMOD 2021] **Yuan Qiu**, Yilei Wang, Ke Yi, Feifei Li, Bin Wu and Chaoqun Zhan. “Weighted Distinct Sampling: Cardinality Estimation for SPJ Queries.”
- [EDBT 2019] **Yuan Qiu**, Serafeim Papadias and Ke Yi. “Streaming HyperCube: A Massively Parallel Stream Join Algorithm.”

## SKILLS

<b>Communication</b>	Mandarin (native), English (fluent), Japanese (N2), Cantonese (basic)
<b>Programming</b>	Java (proficient), C++ (proficient), SQL (proficient), Scala (intermediate), Python (intermediate)
<b>Tools</b>	Git, Unix, Emacs, Latex

## AWARDS

Hong Kong PhD Fellowship, <i>Hong Kong Research Grants Council</i>	2019 – 2022
Postgraduate Studentship, <i>Hong Kong University of Science and Technology</i>	2017 – 2019
Reaching Out Award, <i>Hong Kong Government Scholarship Fund</i>	2017
Chern-Class Achievement Scholarship, <i>Hong Kong University of Science and Technology</i>	2017
First Runner-Up in UG Math Competition, <i>Hong Kong University of Science and Technology</i>	2017
The Cheng Foundation Scholarship, <i>Cheng Foundation</i>	2015 — 2016
Kerry Holdings Limited Scholarship, <i>Kerry Holdings Limited</i>	2013 — 2015