QIU Yuan

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EDUCATION

2019 – Present	**PhD in Computer Science, HKUST** Supervised by Prof. Ke Yi
2017 – 2019	**MPhil in Computer Science, HKUST** Supervised by Prof. Ke Yi
2013 – 2017	**Bsc in Math and Economics, and in Computer Science, HKUST** First Class Honors

WORK EXPERIENCE

Jan 2019 – May 2019

Database Kernel Team, Alibaba Group

Intern Engineer

Implemented academical algorithms into the commercial database system AnalyticDB.
Performed research on algorithms that boost optimizer efficiency.

PUBLICATIONS

Yuan Qiu, Yilei Wang, Ke Yi, Feifei Li, Bin Wu and Chaoqun Zhan. "Weighted Distinct Sampling: Cardinality Estimation for SPJ Queries". ACM SIGMOD International Conference on Management of Data (**SIGMOD**), June 2021.

Yuan Qiu, Serafeim Papadias and Ke Yi. "Streaming HyperCube: A Massively Parallel Stream Join Algorithm". International Conference on Extending DataBase Technology (**EDBT**), March 2019. Short paper.

SOFTWARE SKILLS

GOOD LEVEL	Java, Scala, Spark, MySQL, Python, LaTeX, MarkDown
INTERMEDIATE	Unix, Git, C++, HTML/CSS, Emacs
BASIC LEVEL	Vim, Flink

AWARDS

2019	**Hong Kong PhD Fellowship**, Research Grants Council, HKSAR
2018	**Postgraduate Studentship**, HKUST
2017	**Academic Achievement Medal**, HKUST
-	**Reaching Out Award**, HKSAR Government
-	*Chern-Class* **Achievement Scholarship**, Math Department, HKUST
2015	**The Cheng Foundation Scholarship**, Cheng Foundation
2013	**Kerry Holdings Limited Scholarship**, Kerry Holdings