

Xiating Ouyang

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RESEARCH INTERESTS	Database systems and theoretical computer science: Query processing and optimization, managing data under uncertainty, algorithm design, complexity theory and graph theory.	
EDUCATION	University of Wisconsin–Madison , Madison WI	
	Ph.D. in Computer Science with Minor in Mathematics	2018 – present
	M.Sc. in Computer Science	2018 – 2020
	Hong Kong Polytechnic University , Hong Kong	
	B.Sc. in Computing (1st honor)	2014 – 2018
EMPLOYMENTS	University of Waterloo , Waterloo ON	
	Exchange Program	Winter 2017
	University of Wisconsin–Madison , Madison WI	2019 – present
	<i>Research Assistant</i>	
	Microsoft Gray Systems Lab, Azure Data , Redmond WA	Summer 2020
PUBLICATIONS	Thermo Fisher Scientific , Madison WI	Summer 2019
	<i>Software Engineering Intern</i>	
	University of Wisconsin–Madison , Madison WI	2018 – 2019
	<i>Teaching Assistant</i>	
	Hong Kong Polytechnic University , Hong Kong	2015 – 2018
	<i>Undergraduate Research Assistant</i>	
PUBLICATIONS (* ALPHABETICAL ORDER)	SparkCruise: Workload Optimization in Managed Spark Clusters at Microsoft.	
	Abhishek Roy, Alekh Jindal, Priyanka Gomatam, Xiating Ouyang, Ashit Gosalia, Nishkam Ravi, Swinky Mann and Prakhar Jain.	
	VLDB’21 (industrial track) doi:10.14778/3476311.3476388	
	Consistent Query Answering for Primary Keys on Path Queries.*	
	Paraschos Koutris, Xiating Ouyang and Jef Wijsen.	
SERVICES	PODS’21 doi:10.1145/3452021.3458334	
	Unit interval vertex deletion: Fewer vertices are relevant.	
	Yuping Ke, Yixin Cao, Xiating Ouyang, Wenjun Li and Jianxin Wang.	
	<i>Journal of Computer and System Sciences</i> , 96:109–121, 2018. doi:10.1016/j.jcss.2018.01.001.	
TEACHING EXPERIENCES	Volunteer: VLDB’21	
	Judge: Departmental programming contest, UW–Madison	2019
	Coach: ACM-ICPC team, HK PolyU	2017 – 2018
	Webmaster: COCOON’17	
	Student organizer: SMARTCOMP’17, COCOON’17	
HONORS AND AWARDS	Vice president: Exploring Hong Kong Community	2015 – 2016
	TA: CS 577 Introduction to Algorithms, UW–Madison	Spring 2019
	TA: CS 240 Discrete Mathematics, UW–Madison	Fall 2018
	TA: COMP 2422 Database Systems, HK PolyU	Fall 2017
	Travel awards: SODA’21, VLDB’21	
HONORS AND AWARDS	ACM-ICPC North Central North America Regional Contest, 10/208	2018
	UW-Madison CS Special Scholarship	2018
	Hong Kong PhD Fellowship (declined)	2018

Hong Kong SAR Government Scholarship	2016, 2017, 2018
Dean's Honors List, HK PolyU	2015, 2016, 2018
Outstanding Student Award, Dept. of Computing, HK PolyU	2018
ACM-HK Chapter Collegiate Programming Contest, 3/37	2017
ACM-HK Chapter Collegiate Programming Contest, 3/34	2016

SKILLS

Programming languages: C/C++/C#, Python, Java, PHP, JavaScript

Operating systems: Linux(Ubuntu), MacOS, Windows

Tools: git, L^AT_EX, tikz

Languages: English (proficient), Mandarin (native) and Cantonese (intermediate)