

# Xiating Ouyang

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## RESEARCH INTERESTS

Theoretical foundations for query processing, managing data under uncertainty, classification algorithms, graph theory and parameterized complexity.

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## EDUCATION

### University of Wisconsin–Madison

*Ph.D. & M.Sc. in Computer Science; GPA: 4.00/4.00*

Madison, WI

*Aug 2018 – present*

### Hong Kong Polytechnic University

*B.Sc. in Computing (1st Honor); GPA: 4.00/4.00*

Hong Kong

*Sep 2014 – Jun 2018*

### University of Waterloo

*Exchange Program; Grade: 98.25/100*

Waterloo, ON

*Jan 2017 – Apr 2017*

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## ACADEMIC EXPERIENCES

### University of Wisconsin–Madison with *Dr. Paraschos Koutris*

*Research Assistant: Managing data under uncertainty*

Madison, WI

*Aug 2019 – Present*

### Hong Kong Polytechnic University with *Dr. Yixin Cao*

*Undergraduate Research Assistant: Algorithmic graph theory and parameterized complexity*

Hong Kong

*Oct 2015 – Jul 2018*

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## PUBLICATION

Yuping Ke, Yixin Cao, Xiating Ouyang, Wenjun Li and Jianxin Wang.

Unit interval vertex deletion: Fewer vertices are relevant.

*Journal of Computer and System Sciences*, 96:109–121, 2018. doi:10.1016/j.jcss.2018.01.001.

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## TEACHING EXPERIENCES

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

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## INDUSTRIAL EXPERIENCE

### Thermo Fisher Scientific with *Lowell Rausch*

*Software Engineering Intern: Spectrometer software release code maintenance*

Madison, WI

*Jun 2019 – Sep 2019*

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## SELECTED HONORS AND AWARDS

ACM-ICPC North Central North America Regional Contest, 10/208

2018

UW–Madison CS Special Scholarship

2018

The Outstanding Student Award 2017, Department of Computing HK PolyU

2018

Hong Kong Special Administrative Region Government Scholarship

2016, 2017, 2018

Hong Kong Special Administrative Region Government Talent Development Scholarship

2015, 2016

ACM-HK Chapter Collegiate Programming Contest, 3/34 & 3/37

2016, 2017

Faculty of Engineering Dean’s Honors List, HK PolyU

2015, 2016, 2018

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## SERVICES

Coach, ACM-ICPC team, HK PolyU

2017 – 2018

Webmaster and student organizer, COCOON’17 conference website development for 200+ attendees

2016 – 2017

Student organizer, SMARTCOMP’17

2017

## SKILLS

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

**Operating systems:** Linux(Ubuntu), Windows

**Tools:** git, Visual Studio

**Typesetting:** L<sup>A</sup>T<sub>E</sub>X, tikz

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