Xiating Ouyang

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Mobile : +852 6561-2278
Prospective Ph.D. student at University of Wisconsin-Madison

Education

The Hong Kong Polytechnic University — Hong Kong
B.Sc. (Hon), Computing; GPA: 4.00/4.00 — *Sep 2014 – June 2018*

University of Waterloo — Waterloo, ON, Canada
Exchange Program; Grade: 98.25/100 — *Jan 2017 – Apr 2017*

Research Experience

The Hong Kong Polytechnic University — Hong Kong
Undergraduate Research Assistant, supervised by Dr. Yixin Cao — *Oct 2015 – Present*

- **Modular decomposition**: Linear time modular decomposition algorithm refinement and implementation.
- **Unit interval deletion**: $O(k^4)$ kernelization for the unit interval deletion problem.
- **The Steiner tree problem (STP) in graphs**: Heuristic algorithm for submission to PACE 2018.

Publications

1. 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.

Professional Activities

Author:

1. The 10th Annual Meeting of the Asian Association for Algorithms and Computation (AAAC'17), Hong Kong

Webmaster:

1. The 23rd Annual International Computing and Combinatorics Conference (COCOON'17), Hong Kong

Student Helper:

1. 3rd IEEE International Conference on Smart Computing (SMARTCOMP 2017), Hong Kong

Selected Scholarships

- Hong Kong Special Administrative Region Government Scholarship (2015, 2016, 2017)
- Hong Kong Special Administrative Region Talent Development Scholarship (2015, 2017)
- COMP Student of the Year with Outstanding Academic Performance (2015)
- Wong Tit-shing Student Exchange Scholarship (2017)

Selected Honors And Awards

- The Outstanding Student Award 2017, Department of Computing (2017)
- ACM-HK Chapter Collegiate Programming Contest, Second Runner-up Award (2016, 2017)
- Dean's Honors List (2015, 2016)
- National High School Mathematics Contest, First Prize (2013)

Skills

Programming languages: C, C++, Python, Java, PHP, Javascript
Operating system: Linux(Ubuntu), Windows
Web application: Django, HTML, CSS, Ajax

Languages

English (fluent), Mandarin (native) and Cantonese (basic)