Benyu Wang

University of Michigan, Ann Arbor, US benyuw@umich.edu | wbyyui.github.io Updated September 24, 2024

Interests	
• Broad interest in Theoretical Computer Science .	
\circ Study and research experience in ${\bf Graph\ Algorithms}$ / ${\bf Combinator}$	ics.
Education	
University of Michigan	Ann Arbor, US
PhD student at Computer Science and Engineering (CSE)	Aug 2023 – now
o Advisor: Prof. Thatchaphol Saranurak	
∘ GPA: 4.00 /4.00	
Tsinghua University (Yao Class)	Beijing, China
B.Eng., Computer Science and Technology	Aug 2019 – Jun 2023
o Advisor: <i>Prof. Ran Duan</i>	
∘ GPA: 3.90 /4.00 & For Yao Class courses only: 3.98 /4.00	
Selected Courses : (A+/A stand for 95-100 in 100-point values, A+ is th	e best grade)
\cdot Mathematics for Computer Science (A+) & Mathematics for Artificial I	ntelligence (A+)
· Theory of Computation (A+) & Design and Analysis of Algorithms (A-	.)
Experiences	
University of Michigan	Ann Arbor, US
Undergraduate Research Intern (Visitor)	Feb 2022 - Aug 2022
o Visited the theory group of UM. Worked with <i>Prof. Seth Pettie</i> and <i>Prof. S</i>	f. Thatchaphol Saranurak.
INSAIT	Sofia, Bulgaria
Research Intern (Visitor)	Sep 2024 - Now
Publications	
Tight Conditional Lower Bounds for Vertex Connectivity Proble	ns
Zhiyi Huang, Yaowei Long, Thatchaphol Saranurak, Benyu Wang	
∘ STOC 2023, arXiv:2212.00359.	
• We gave tight lower bounds for vertex connectivity problems ass	uming the 4-Clique conjecture,
which separates the hardness of vertex connectivity problems and relate	ed edge connectivity problems.
Teaching	
Teaching Assistant , Theory of Computation S	pring 2023, Tsinghua University
Undergraduate theory course instructed by Prof. Ran Duan.	
Teaching Assistant, Design and Analysis of Algorithms	Fall 2022, Tsinghua University
Graduate-Level algorithm course instructed by Prof. Ran Duan.	
Services	
Conference Review: FOCS(23,24), SODA(24,25), ICALP(23), ITCS(24,2	5) ESA(24).
Selected Awards and Scholarships	
Selected Awards and Scholarships ICPC Astana World Finalist	
-	2024
ICPC Astana World Finalist	2024 ghua University 2022