

Wuwei Yuan

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EDUCATION

- **Yao Class, IIIS, Tsinghua University** Sept. 2020 to July 2024 (Expected)
Undergraduate in Computer Science and Technology; GPA: 3.90 / 4.00, Major GPA: 3.99 / 4.00 Beijing, China

RESEARCH EXPERIENCE

- **Theory of Computation Laboratory, the University of Michigan** Feb. 2023 to July 2023
Visiting Scholar. Advised by Prof. Thatchaphol Saranurak Ann Arbor, Michigan, USA
 - Conducted research on graph algorithms, especially expanders and dynamic graph algorithms.
- **Shanghai Qi Zhi Institute** July 2022 to Aug. 2022
Research Intern. Advised by Prof. Huanchen Zhang Shanghai, China
 - Conducted research on designing LSM-Tree on tiered storage devices.

PUBLICATIONS

- Unless stated otherwise, author names are in **alphabetical order**.
- Maximal k -Edge-Connected Subgraphs in Almost-Linear Time for Small k [arxiv]
Thatchaphol Saranurak and **Wuwei Yuan**.
European Symposium on Algorithms (ESA), 2023.

TALKS

- Maximal k -Edge-Connected Subgraphs in Almost-Linear Time for Small k
 - ESA 2023 @ CWI, AmsterdamSept. 2023

HONORS AND AWARDS

- Yao Award, Recognition Prize (*top students in Yao Class*), IIIS, Tsinghua University Sept. 2023
- Comprehensive Excellence Scholarship, Tsinghua University Nov. 2023

COMPETITIVE PROGRAMMING

- International Collegiate Programming Contest, Asia Jinan Regional Contest: Gold medal, 2nd place Dec. 2020
- National Olympiad in Informatics, China: Gold medal, 14th place July 2018
- Asia-Pacific Informatics Olympiad: International Gold medal, 3rd place (official) May 2018

VOLUNTEER AND EXTRACURRICULAR ACTIVITIES

- Organize self-study and seminar activities for classmates, up to 5 times per week. Gave several midterm and final review lectures of *Mathematics for Artificial Intelligence* and *Computer Architecture*. 2020 to 2022
- Champion of the 50 meters breaststroke, runner-up of the 200 meters individual medley, and 4th place of the 50 meters freestyle at the Tsinghua University John Ma Cup Swimming Competitions. Mar. 2021 and Nov. 2021
- Other hobbies: running, cycling, triathlon, playing piano, drumming.

SELECTED COURSE GRADES

- Received A+ grades in 14 courses, including the following courses:
 - Design and Analysis of Algorithms (Grad. Course) A+ • Theory of Computation A+
 - Algorithm Design A+ • Algorithm Design and Complexity Analysis A+

SKILLS

- Programming Languages: C & C++, CUDA, Python, Verilog
- Languages: Chinese (Native); English (Fluent - TOEFL iBT MyBest: 106 (R29, L29, S22, W26))