

Anthony Wang

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Education

Massachusetts Institute of Technology (MIT) 2023 – 2027 (Expected)
• Pursuing B.S. Computer Science and Engineering, and B.S. Mathematics *GPA: 5.0/5.0*
• *Coursework:* Design and Analysis of Algorithms (6.1220), Graph Theory and Additive Combinatorics (18.225), Theory of Computation (18.404)

Dual Enrollment August 2021 – December 2021
Intermediate Calculus (Multivariable)

Selected awards

USA Math Olympiad Gold Medal (Top 16 Nationwide) 2023
USA Computing Olympiad Platinum Division 2020
USA Physics Olympiad Gold Medal (Top 40 Nationwide) 2023
Quiz Bowl High School National Championship Tournament 11th place Individual 2023

Work Experience

Cadence Design Systems | *Software Engineer Intern, Remote* June 2021 – December 2021
• Rewrote Python-based comparison algorithm for circuit extraction output to allow parallel processing, with team
• Rigorously tested to ensure accuracy. End product resulted in a 5x speed improvement

Publications

Y. Gao, **A. Wang** (2023). Consecutive patterns in Coxeter groups. *Journal of Algebra*, Vol. 634, 650-666, <https://doi.org/10.1016/j.jalgebra.2023.07.029>

Programs and Activities

Toga Junior Math Club | *Head coach* 2019 – 2023
• Collaborated with peers to develop course materials, give lectures, write original mock tests, and help students
• Prepared Middle School math competitors for regional, state, and national competitions

MIT PRIMES USA | *Student Researcher* January 2022 – January 2023
• Conducted mathematical research into algebraic combinatorics under guidance of MIT graduate student
• Wrote paper detailing results to submit to conference and journals

Quizbowl Club | *President* 2021 – 2023
• Organized practices for Quizbowl team containing 20 students, and lead team to nationals

Toga Math Club | *Competition Manager* 2022 – 2023

Saratoga Falcon | *Head Copy Editor* 2022 – 2023

Skills

Programming

Languages: Python, C++, Java, Javascript/Typescript, C#, \LaTeX , HTML, CSS

Frameworks and tools: git, React, MongoDB, PyTorch, Experience with command-line, Windows, Linux

Languages

Fluent in English and Mandarin, Proficient in Spanish