
Laura Cui

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Education

Massachusetts Institute of Technology

Bachelor of Science in Physics and Mathematics

- Minor: Computer Science
- GPA: 5.0/5.0
- Expected graduation: June 2023
- Relevant coursework: Algebra (18.701), Quantum II (8.05), Computational Structures (6.004)

Activities: Undergraduate Society of Women in Mathematics, Poker Club, Educational Studies Program

Experience

JUNE 2019 - AUGUST 2019

University of Maryland Joint Quantum Institute - Undergraduate Research Assistant

- Advised by Prof. Jacob M. Taylor and Dr. Daniel Carney
- Performed information theoretical quantum gravity calculation

JUNE 2018 - AUGUST 2018

Maryland Center for Fundamental Physics - Research Assistant

- Advised by Prof. Thomas D. Cohen
- Used numerical models to investigate the binding energy of tetraquark states

NOVEMBER 2017 - AUGUST 2019

Art of Problem Solving Academy Gaithersburg - Teaching assistant

- Assisted Grades 3 and 4 Mathematics and Math Beasts 7-9 Summer Camp
- Performed outreach and front desk work

SEPTEMBER 2017 - JUNE 2019

Blair CubeSat - Co-founder, Scientific Mission

- Design photometer instrument and integrate data collection with satellite design
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Additional Skills

- Computer programming experience including Python, Java, HTML, and MATLAB
 - Strong background in mathematical problem-solving
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Awards and Honors

2019 **Regeneron Science Talent Search Scholar**

For work with near-threshold doubly heavy tetraquark states

2017 **Science and Engineering Apprenticeship Program 2nd Place Award**

For excellent presentation of apprenticeship project