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## 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: Functional Analysis, Quantum II, Computational Structures

Activities: --

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### 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 2<sup>nd</sup> Place Award**

*For excellent presentation of apprenticeship project*