

# CHRISTINE HUANG

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Sugar Land, TX 77479 | Cambridge, MA 02139

## ACADEMIC HIGHLIGHTS

### Massachusetts Institute of Technology (MIT)

Cambridge, MA (Aug 2022 – present)

- Majors: General Mathematics (18); Computer Science, Economics, and Data Science (6-14) GPA: 5.0/5.0
- Relevant Coursework: Probability and Random Variables, Discrete Math, Micro- and Macroeconomics, Linear Algebra, Statistical Methods in Economics, Econometrics, Algorithms, Machine Learning, Theory of Computation, Real Analysis

### Clements High School

Sugar Land, TX (2018-2022)

- GPA – 104.4919 (100 PT weighted) and 4.0 (4 PT unweighted); Rank: 3 out of 618.
- SAT: 1580; SAT II Math: 800; National Merit Scholarship Finalist (PSAT score: 1510/1520)

## RELEVANT EXPERIENCE

### MIT Undergraduate Research (*Researcher*)

Cambridge, MA (2024 Summer)

- Cleaned and analyzed panel data from the Indonesia Family Life Survey to predict the effects of digital finance on risk-sharing in rural communities; conducted a thorough literature review and created various descriptive statistics and figures

### Haitong Futures (*Investment Advisory Intern*)

Shanghai, China (2023 Summer)

- Trained in writing reports on articles and company meetings concerning daily movements in futures and money markets

### Shanghai Private Equity Association (*Venture Capitalist Extern*)

Shanghai, China (2023 Summer)

- Analyzed the risks and benefits of pitches from various start-up companies to determine companies worth investing in

### Jane Street WiSE Program (*Participant*)

New York City, NY (2022 Summer)

- Selected as one of 80 participants to engage in quantitative trading talks covering topics such as computational approaches to finance, functional programming (OCaml), arbitrage, market liquidity, heuristics, and biases.

### Mathworks Honors Summer Math Camp (*Residential Camp Counselor*)

San Marcos, TX (Jun 2022 – Aug 2022)

- Guided 40 first-year campers in developing rigorous problem-solving and proof-writing skills in mathematical research, ultimately preparing them for future professor-guided research projects and papers

### Momentum Learning (*Number Sense Teacher, Contest Math Class TA*)

Sugar Land, TX (Feb 2022 – Jun 2022)

- Instructed 20-30 elementary school children on basic mental math and problem-solving strategies with interactive lessons, games, and activities designed to encourage and open students to learning.

### Mathworks Honor Summer Math Camp (*Research Assistant*)

Online (Zoom) (2020-2021 Summers)

- Conducted guided research at Texas State University, applying multivariate methods in RStudio to wrangle large data sets.

## EXTRACURRICULARS, LEADERSHIP, & AWARDS

### Mathematic Awards

- Maryam Mirzakhani AMC 10 A Certificate Winner (Top 5 AMC 10 A girl scorer in Texas)
- Four-time Math Prize for Girls Qualifier and Five-time American Invitational Mathematics Examination Qualifier

### Harvard-MIT Math Tournament (HMMT) (*Chief Proctor Staff*)

2023 - Present

- Organized a nationwide math competition's location and personnel logistics and directly facilitated student and parent volunteers, solving the contest's day-of crises under time pressure.

### MIT Undergraduate Society of Women in Mathematics (USWIM) (*Member*)

2022 - present

- Participated in meetings, mixers, and activities empowering female-identifying and non-binary students in STEM fields.

### Clements High School Mu Alpha Theta (Math Club/MAO) (*Treasurer/Historian, President*)

2018 – 2022

- Organized monthly school-wide events and led volunteers in mentoring students in competition math at local schools.

### INTEGIRLS Houston (*Co-founder, Outreach Director*)

2020 – 2022

- Promoted gender equality in STEM by reaching out to hundreds of schools and organizations, organizing four successful INTEGIRLS Houston female/nonbinary-only math competitions.

### We Care We Help (*Co-founder, Co-President*)

2020 – 2022

- Provided free tutoring to financially unstable students as well as paid SAT/ACT Math tutoring and donated the entirety of the profits along with personal contributions (totaling \$500) to Fort Bend Women's Center

## SKILLS & INTERESTS

**Software:** Excel, Mathematica software, LaTeX, Python, Java, RStudio, Stata

**Soft Skills:** Problem-solving, data analysis, adaptability, team player

**Languages:** Chinese, basic Korean

**Interests:** Swimming (Speedo Sectionals Qualifier, UIL 6A State Qualifier, Elite Swimming & Diving Academic All-State Team), MIT Volleyball Club, MIT Asian Dance Team, Environmental Conservation (planting/nurturing trees at local parks)