# Isabella Li

✉ isabellali434@gmail.com  •  ⌗ Mintylemon66

## Education

**Lexington High School**                                                  **Fall 2023 – present**
*Mathematics Courses: Precalculus (9th grade), AP Calculus BC (10th grade)*
Harvard Extension School Multivariable Calculus and Linear Algebra (11th grade).

GPA: 4.14/4.33, freshman and sophomore year

CS experience.............................................................................................................

C++, Python, LaTeX, Java, HTML, CSS, JavaScript.

## Academic Distinctions

**USAMO Qualification**: 2025

**USABO Open Honorable Mention**: 2025

**USAMTS Silver Award**: 2025

**Young Women in Mathematics AMC10 Award Recipient**: 2025

**National French Contest Gold Award**: 2024

**John Locke Essay Competition Shortlist**: 2023

**AP Scholar with Distinction**: 2025

## Non-Academic Distinctions

**Scholastic Art Regional Honorable Mention**: 2025

**Charleston 2025 Summer Music Competition First Prize**: 2025

**MMEA All-State Composer**: 2025

**President's Volunteer Service Gold Award**: 2024

## Standardized Test Scores

**PSAT/NMSQT**: 1500/1520 (Oct 2025)

**SAT**: 1560/1600 (Sept 2025)

**AP Computer Science Principles, AP Computer Science A, AP Calculus BC , AP Biology, AP World History, AP Chinese**: 5/5 (2024, 2025)

## Math Competition Results

**2025 Princeton University Mathematics Competition**: Team Round 7th

**2025 Yale MMATHS**: Team Overall 3rd

**2025 Girls in Math at Yale**: Guts Round 1st

**2025 AMC 12B**: 129/150

**2025 AMC 12A**: 130.5/150

**2025 AIME II**: 12/15

**2024-25 USAMTS**: 74/75
**2024 AMC 10B**: 141/150
**2024 AMC 10A**: 139.5/150
**2024 Yale MMATHS**: Team Overall 2nd

## Summer Activities

**PROMYS**:                                                                                      *Summer 2025*
Took course on Number Theory and presented on Euler's Theorem and Pick's Formula.

**SUMaC Online Program I**:                                                                       *Summer 2025*
Took course on Abstract Algebra and Number Theory and presented on the Rivest–Shamir–Adleman Cryptosystem.

**G2 Math Program**:                                                                             *Summer 2024*
Took courses on Olympiad math.

**Pioneer Research Institute**:                                                                  *Summer 2025*
Took courses on Number Theory and wrote an expository paper on factorization methods.

**PROMYS Pathways Summer Program**:                                                              *Summer 2024*
Audited PROMYS's number theory lectures and learned about number theory.

**Yau Tsinghua Mathcamp**:                                                                       *Summer 2023*
Took courses in Analytics and Number Theory and Linear Algebra. Presented on sums of squares.

## Activities

**MIT PRIMES**:                                                                                  *2025*
Studying topology and Riemannian geometry.

**Lexington High School Math Team**: Captain                                                      *2025 – present*
Organizing events, writing problems, participating in competitions.

**Lexington High School Linguistics Club**: Founder                                              *2025 – present*
Organizing club events and fundraising events.

**Boston Youth Symphony Repertory Orchestra**: Percussionist                                      *2024 – present*
Performing concerts.

**Lexington High School Wind Ensemble**: Percussionist                                            *2024 – present*
Performing concerts.

**Lexington High School Japanese Club**: President                                                *2025 – present*
Organizing events.

**BostonX Group**: Co-Founder                                                                     *2023 – present*
An organization that creates educational content which focuses on the mental health of the youth population. Assistant curator of "From Péon Xu to A.I.", an exhibition of Péon Xu's artistic works at Boston University (2024).

**Lexington Chapter of the National Honor Society**: Member                                       *2025 – present*
Use meaningful community service to show Scholarship, Leadership, Service, and Character.

**Rosie's Place**: Volunteer                                                                      *2025 – present*

Making and distributing food at shelter for homeless women and their children.

**Lexington High School French Club**: Leader                                    *2024 – present*
Organizing club events and coordinating fundraising events.

**Youth STEAM Initiative**: Project Leader                                       *2023 – present*
Based in Lexington MA, we help various communities design websites, implement events, track budget and more.

**Lexington High School JV Girls Basketball Team**: Player                       *2023 – 2024*

## Paid Work Experience

**Expii Inc (Po-Shen Loh LIVE Communication Training program)**:                 *2025*
Teaching content equivalent to Algebra 1 and 2.

## Projects

**RSA Cryptosystem presentation**: at SUMaC                                      *2025*
`https://mintylemon66.github.io/sumac_rsa.html`

**Pick's Formula and Euler's Theorem paper and presentation**: at PROMYS         *2025*
`https://mintylemon66.github.io/pick_presentation.html`
`https://mintylemon66.github.io/pick_paper.html`

**Pioneer Research Institute**: at Pioneer Research Institute                     *2025*
`https://mintylemon66.github.io/factorization.html`