

# Gene Yang

geneyang702@gmail.com ↗ | gyang0.github.io ↗

## Education

|   |                 |                      |
|---|-----------------|----------------------|
| <b>Stanford Online High School</b> – Senior, class of 2026  | GPA: 3.9769/4.0 | Aug 2021 – June 2026 |
| Relevant coursework: Light & Heat   Modern Physics   Introduction to Quantum Computing<br>Linear Algebra   Differential Equations   Real & Complex Analysis |                 |                      |

## Awards

|   |      |
|---|------|
| <b>Shortlisted</b> , Asian Physics Olympiad South Korean representative (17 nationwide) | 2026 |
| <b>Selected</b> , Boston University High School Honors Program, physics track           | 2025 |
| <i>Pending</i> , CAMWS College Greek Exam   | 2026 |
| <b>1st Place</b> , CAMWS International Latin Translation Exam                           | 2025 |
| <b>Gold Medal</b> , National Latin Vocabulary Exam                                      | 2025 |

## Experience

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| <b>Selected Camper</b> , International Physics Olympiad Training Camp, South Korea            | Jan 2026           |
| • One of 40 campers chosen nationwide   |                    |
| • Attended daily lectures on olympiad-level physics problems                                  |                    |
| • Successfully completed all experimental labs, passed final theoretical exam                 |                    |
| <b>Junior Lab Assistant</b> , Korea Advanced Institute of Science & Technology (KAIST)        | June 2025          |
| • One of 100 chosen nationwide  |                    |
| • Collected lab data with PASCO Capstone  |                    |
| • Conducted heat engine & collision experiments with KAIST faculty                            |                    |
| <b>Co-Leader &amp; AV Editor</b> , Pixelstra: Stanford Online High School String Orchestra    | Aug 2022 – Present |
| • Edited performance audio/videos for 4 years   |                    |
| • Arranged performances at graduation, senior lunch, Homecoming, & Pixel Festival             |                    |
| • <a href="https://www.youtube.com/@ohspixelstra">https://www.youtube.com/@ohspixelstra</a> ↗ |                    |
| <b>Founder &amp; Co-Leader</b> , Ancient Greek Society, Stanford Online High School           | Aug 2024 – Present |
| • Gained official school recognition, recruited 27 members                                    |                    |
| • Led bi-weekly <i>Athenaze</i> reading groups over school year                               |                    |

## Projects

|   |                    |
|---|--------------------|
| <b>Extending the Quantum Prisoner's Dilemma</b>   | PDF ↗   Abstract ↗ |
| • Extension of Jens Eisert's 1999 Quantum Prisoner's Dilemma to the Optional Prisoner's Dilemma |                    |
| • Designed circuit & conducted graphical analysis   |                    |

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| <b>Physics, Classics, &amp; Other Oddities</b> – Personal Website              | gyang0.github.io ↗ |
| • Uploaded 350+ pages' handwritten notes & 25+ posts on Physics, Greek & Latin |                    |
| • Developed auto-update system with Bash & Node.js                             |                    |
| • Designed UI and Markdown-LaTeX rendering workflow                            |                    |

## Skills

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| <b>Programming</b> C++, Java, JavaScript, HTML/CSS, Bash, Git, LaTeX |
| <b>Analysis</b> Python, Qiskit, R                                    |
| <b>AV Editing</b> Davinci Resolve, ClipChamp, LilyPond               |