Gene Yang

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Education

Stanford Online High School — 2026
Relevant coursework: Light & Heat | Modern Physics | Introduction to Quantum Computing
Linear Algebra | Differential Equations | Real & Complex Analysis
GPA: 3.98/4.0

Awards

Shortlisted, Asian Physics Olympiad South Korean representative (17 nationwide)	2026
Selected, Boston University High School Honors Program, physics track	2025
Top 8% Score, F=ma Exam, USA	2025
1st Place, CAMWS International Latin Translation Exam	2025
Gold Medal, National Latin Vocabulary Exam	2025

Experience

Selected Camper, International Physics Olympiad Training Camp, South Korea — Jan 2026
- One of 40 campers chosen nationwide
- Attended daily lectures on solving olympiad-level physics problems
- Successfully completed all experimental labs, passed final theoretical exam

Junior Lab Assistant, Korea Advanced Institute of Science & Technology (KAIST) — June 2025 – Jul 2025
- One of 100 chosen nationwide
- Collected lab data with PASCO Capstone
- Conducted heat engine & collision experiments with KAIST faculty

Co-Leader & AV Editor, Pixelstra: Stanford Online High School String Orchestra — Aug 2022 – Present
- Edited performance audio/videos for 4 years
- Arranged yearly performances at Graduation, Homecoming, & Pixel Festival
- https://www.youtube.com/@ohspixelstra ↗

Founder & Co-Leader, Ancient Greek Society, Stanford Online High School — Aug 2024 – Present
- Gained official school recognition, recruited 27 members
- Led bi-weekly *Athenaze* reading groups over school year

Projects

Extending the Quantum Prisoner's Dilemma — PDF ↗ | Abstract ↗
- Extended Eisert's 1999 Quantum Prisoner's Dilemma to accommodate a 3rd option
- Designed circuit & conducted graphical analysis

Physics, Classics, & Other Oddities – 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

Programming C++, Java, Python, JavaScript, HTML/CSS, Bash, Git, LaTeX
Data Analysis SciPy, Qiskit, R