Gene Yang

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

Education

Stanford Online High School – Senior, class of 2026   Aug 2021 – Jun 2026
GPA: 3.9769/4.0
Relevant coursework: Light & Heat | Modern Physics | Introduction to Quantum Computing
Linear Alegebra | Differential Equations | Real & Complex Analysis

Awards

Selected, International Physics Olympiad Korean Team Training Camp   2026
Selected, Boston University High School Honors Program, physics track   2025
1st Place, CAMWS International Latin Translation Exam   2025
Invited Performance, Asia Suzuki Music Conference Welcome Concert, violin   2025
Finalist, Paideia Institute High School Essay Contest (Prompt: Why Study Greek?)   2024

Experience

Junior Lab Assistant, Korea Advanced Institute of Science & Technology (KAIST)   Summer 2025
- One of 100 campers 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 performances at graduation, senior lunch, 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

Teaching Assistant, AP Computer Science A, Stanford Online High School   Aug 2023 – Jun 2025
- Designed & coded Connect-4 simulation assignment (integated into 2026-27 course syllabus)
- Held regular office hours, 2 hours weekly

Projects

Extending the Quantum Prisoner's Dilemma   PDF ↗ | Abstract ↗
- Extension of Jens Eisert's 1999 Quantum Prisoner's Dilemma to the Optional Prisoner's Dilemma
- 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
- Created auto-update system with Bash & Node.js
- Designed UI and Markdown-LaTeX rendering workflow

Skills

Programming C++, Java, JavaScript, HTML/CSS, Bash, LaTeX
Languages English (fluent), Korean (fluent), Latin (AP-level)
Music Editing Davinci Resolve, ClipChamp, LilyPond