Gene Yang

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

Skills

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

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

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

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

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