

Julia E. Cho

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EDUCATION

CORNELL UNIVERSITY <i>College of Engineering</i>	2024-Present
LEONIA HIGH SCHOOL <i>The Leonia Academy of STEM</i> <i>The Leonia Arts Conservatory</i> <i>Leonia, NJ</i>	2020-2024
GPA Weighted: 4.9041/4.0	

VOLUNTEER EXPERIENCE

Community Reading Buddies <i>Lead Mentor, Spotlighted Lead Mentor (11th grade)</i>	2020-2024
Webster’s Reading Center <i>Reading Partner</i>	2020
The Smithsonian Institution <i>Transcriber</i>	2020
Gen Writers Club <i>Proofreader</i>	2020

EXTRACURRICULAR ACTIVITIES

STEM & Art Externship	2023
STEM Club – Bioengineering	2023
STEM Club - Physics	2022
Environmental Awareness Club	2020-2024
Math League	2020-2024
Korean Culture Club, <i>Co-Founder</i>	2022-2024
Book Club, <i>Co-Founder</i>	2022-2024
Latin Club	2021-2024
Playwrights Guild Animation Club	2020-2021
French Club	2020-2021

MEMBERSHIPS | AFFILIATIONS

National Honor Society	2023-2024
Science National Honor Society	2023-2024
National Social Studies Honor Society	2023-2024
National Latin Honor Society	2023-2024
National Mathematics Honor Society	2021-2024
National Art Honor Society	2021-2024
The Authors Guild	2021-2024
Mensa Teen Special Interest Group	2021-2024
Mensa Honor Society	2020-2024

LEADERSHIP ACTIVITIES

Physics Club <i>Co-Founder (11th grade), President (11th grade, 12th grade)</i>	2022-2024
<ul style="list-style-type: none">Organized Paper Pilots & speaker building competitionsBoard of Education proposal for physics C classDeveloped F=Ma competition study guide for the team	

Robotics Club <i>President (12th grade)</i>	2023-2024
<ul style="list-style-type: none">Revived an underfunded dormant club with virtual robotics programTaught basic engineering principles with Minecraft RedstoneInvited speaker from IEEE	

Computer Science Club <i>Member (11th grade), Secretary (12th grade)</i>	2022-2024
<ul style="list-style-type: none">Competed at local Hackathon, <i>First Place (11th grade)</i>Designed a solution for deep sea exploration engineering problemsCompeted in ACSL Senior 5 division	

Science Mural Club <i>Wall Lead (10th grade), President (11th grade, 12th grade)</i>	2021-2024
<ul style="list-style-type: none">Directed, designed and painted murals to boost interest in STEMIncreased members from <10 to 50+ by diversifying membershipSchool spirit mural personally commissioned by the superintendent	

WORK EXPERIENCE

Ignite Publishing, Alberta, Canada <i>Exclusively Contracted Children’s Book Illustrator</i>	2022-2024
<ul style="list-style-type: none">Came up with the vision and composition for a children’s bookPeriodical meetings with the CEO for future projectsWeekly meeting with the CCO to discuss direction and adjustments	

RESEARCH EXPERIENCE

UC Berkeley Research <i>Researcher, Co-Author</i> <i>Injuries in the Youth Labor Force</i>	2023-2024
NJ Governor’s School for Engineering and Technology <i>Researcher, Co-Author</i> <i>Machine Learning for Neural Decoding: Using EEG Signals to Detect Freezing of Gait in Parkinson’s Patients</i>	Summer 2023

HONORS | AWARDS

IEEE MIT Undergraduate Research Technology Conference, <i>Presenter</i>	2023
NJ Governor’s School Engineering and Technology, <i>Scholar</i>	2023
National Merit, <i>Semifinalist</i>	2023
Columbia University Science Honors Program, <i>Scholar</i>	2023
Scholastic Art & Writing Award, <i>4 Golds and 3 Silver Keys</i>	2022, 2023
National Latin Exam, <i>Consecutive Summa Cum Laude (Gold)</i>	2022, 2023
National Latin Exam, <i>Magna Cum Laude (Silver)</i>	2024
Le Grand Concours National French Exam, <i>Platinum (Rank 1)</i>	2021
Presidential Volunteer Service Award, <i>Bronze</i>	2021