

Julia E. Cho

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EDUCATION

CORNELL UNIVERSITY 2024-Present

College of Engineering

LEONIA HIGH SCHOOL 2020-2024

The Leonia Academy of STEM

The Leonia Arts Conservatory

Leonia, NJ

GPA Weighted: 4.9041/4.0

VOLUNTEER EXPERIENCE

Community Reading Buddies 2020-2024

Lead Mentor, Spotlighted Lead Mentor (11th grade)

Webster's Reading Center 2020

Reading Partner

The Smithsonian Institution 2020

Transcriber

Gen Writers Club 2020

Proofreader

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, Co-Founder 2022-2024

Book Club, Co-Founder 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

2022-2024

Co-Founder (11th grade), President (11th grade, 12th grade)

- Organized Paper Pilots & speaker building competitions
- Board of Education proposal for physics C class
- Developed F=Ma competition study guide for the team

Robotics Club

2023-2024

President (12th grade)

- Revived an underfunded dormant club with virtual robotics program
- Taught basic engineering principles with Minecraft Redstone
- Invited speaker from IEEE

Computer Science Club

2022-2024

Member (11th grade), Secretary (12th grade)

- Competed at local Hackathon, *First Place (11th grade)*
- Designed a solution for deep sea exploration engineering problems
- Competed in ACSL Senior 5 division

Science Mural Club

2021-2024

Wall Lead (10th grade), President (11th grade, 12th grade)

- Directed, designed and painted murals to boost interest in STEM
- Increased members from <10 to 50+ by diversifying membership
- School spirit mural personally commissioned by the superintendent

WORK EXPERIENCE

Ignite Publishing, Alberta, Canada

2022-2024

Exclusively Contracted Children's Book Illustrator

- Came up with the vision and composition for a children's book
- Periodical meetings with the CEO for future projects
- Weekly meeting with the CCO to discuss direction and adjustments

RESEARCH EXPERIENCE

UC Berkeley Research

2023-2024

Researcher, Co-Author

Injuries in the Youth Labor Force

NJ Governor's School for Engineering and Technology

Summer 2023

Researcher, Co-Author

Machine Learning for Neural Decoding: Using EEG Signals to Detect Freezing of Gait in Parkinson's Patients

HONORS | AWARDS

IEEE MIT Undergraduate Research Technology Conference

2023

Presenter

NJ Governor's School Engineering and Technology

2023

Scholar, Semifinalist

Columbia University Science Honors Program

2023

Scholastic Art & Writing Award, 4 Golds and 3 Silver Keys

2022, 2023

National Latin Exam, Consecutive Summa Cum Laude (Gold)

2022, 2023

National Latin Exam, Magna Cum Laude (Silver)

2024

Le Grand Concours National French Exam, Platinum (Rank 1)

2021

Presidential Volunteer Service Award, Bronze

2021