

Education

2012– Present	<i>Bergen County Academies</i> , Academy for Engineering Design and Technology Class of 2016, High Honor Roll, GPA 3.944
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Awards and Honors

2013 – 2014	<i>Rage in the Cage Robotics Competition</i> <ul style="list-style-type: none">• 3rd place overall; Rookie Championship win
2013 – Present	<i>Debate Team; Bergen County Debate League</i> <ul style="list-style-type: none">• 1st place JV Debate program; 4th place JV Team
2014	Member of National Honor Society
2014	National Gold Council of Excellence (on the 2013-2014 BCA Student Council)
2013	Boqing Scholarship for Distinguished Young Scholars

Extracurricular Experience

2013 – Present	<i>NASA ICED Asteroid Capture Project</i> <ul style="list-style-type: none">• Prototyped a device with Arduino, custom-made PCB to measure the magnetic permeability of an asteroid and estimate amount of water gained from harvest• Worked in collaboration with Japanese sister school Kokutaiji High School• Generous grant by the Japanese Ministry of Education covered all expenses• Presented in Hiroshima, Japan, at the Super Science HS Convention
2014 – Present	<i>Muon Detector (Drift tube)</i> <ul style="list-style-type: none">• Creation of device operating at 2000V to detect muons (subatomic particles)
2013 – Present	<i>Junior State of America (JSA)</i> ; Director of Fundraising <ul style="list-style-type: none">• Reduced overnight convention costs and ended 2014 with over \$3000
2012 – 2014	Class Council; Academy Representative, <i>Student Council</i> ; 2016 Class Representative <ul style="list-style-type: none">• Organization of Homecoming and other school-wide events
2010 – Present	<i>Southern Hudson Valley Youth Symphony</i> ; Concertmaster <ul style="list-style-type: none">• Performed alongside UN Youth Orchestra in South Korea
2014 – Present	<i>Research in Optics</i> <ul style="list-style-type: none">• Development and research in a simple array for optical cloaking
2014	<i>Photon Camp</i> <ul style="list-style-type: none">• Optics and particle physics at the University of Rochester
2013	<i>Michigan National Debate Institutes (MNDI)</i> <ul style="list-style-type: none">• Policy debate workshop situated in the University of Michigan (Ann Arbor)

Volunteer Work

2014 – Present	<i>YMath</i> <ul style="list-style-type: none">• Tutored students of all ages in math
2013 – Present	<i>VIP Soccer Buddies</i> <ul style="list-style-type: none">• Program dedicated to giving students with disabilities chance to play soccer
2012 – Present	<i>Charity orchestral performances</i> <ul style="list-style-type: none">• Warwick Applefest; Monroe Cheese Festival; Earl Reservoir

Skills

Fluent in Mandarin; Microsoft Office Suite; Adobe Suite CS6; Autodesk Inventor and CAD software; Programming (e.g. G-Code, Python, C), Experience with power tools and machines, (e.g. lathes, mills)