

EDUCATION:

Class of 2017, Bergen County Academies, Academy for Medical Science and Technology, New Jersey

- Currently a senior, cumulative GPA: 3.913 through the 11th grade.
- **Finalist** in the **2017 National Merit** Scholarship Program.
- Completed thirteen medical and science elective classes, against the required four for graduation.
- Senior-year classes: IB English (Higher Level), IB French (Higher Level), AP Biology, AP Physics C (calculus-based), AP Statistics, and electives Acting Methods, Organic Chemistry II, and Quantum Mechanics
- In freshman year, started an ongoing **research project** in neuroscience in BCA's Cell Biology Lab. Made the following submissions to numerous competitions:
 - 2013-15: "miRNA-Induced Overexpression of EAAT2 in Astrocytes: A Cleanup Mechanism For Glutamate Excitotoxicity"
 - 2015-16: "Exosomal microRNA-124a: A Novel Therapy for Reactive Astroglia in Neurodegeneration"
 - 2016-17: "Exosomal microRNA-124a: Novel Translational Astrocyte Repair in Reactive Astroglia *In vitro*"
 - Selected as school ambassador to make **formal, on-stage research presentations** to visiting foreign student delegations from South Korea and Japan (March 2015, October 2015, and March 2016).
- Trumpet and piccolo trumpet player in **BCA's Brass Ensemble**.
- Contributing **Features Editor** for school scientific publication, "**Academy Scientific**".
- **President** of BCA's 2015-16 **Science Olympiad Chapter**. Also **Co-Founder** and **Captain** of the BCA's **Biology Team** (2015-2017). Initiatives include designing lessons, grooming and leading fellow students for competition in the USA Biology Olympiad, Toronto National Biology Competition, and Science Olympiad (15-40 students per team).
- **Licensed New Jersey EMT** as of September 23, 2016.

STANDARDIZED TEST SCORES: PSAT: 1490/1520 (NM Finalist); SAT I: 2360/2400; SAT II: **Biology:** 790/800, **Chemistry:** 800/800, **Math II:** 800/800; AP Calculus BC: 5/5 (**AB sub-score:** 5/5), AP Chemistry: 5/5

WORK EXPERIENCE:

- Research Intern at **Hackensack University Medical Center, Center for Abnormal Placentation Research**, Hackensack, NJ (Wednesdays, 9:00 a.m. to 5:00 p.m. for the 2016-17 academic year).
- Volunteer **Emergency Medical Technician** at New Milford Ambulance Corps. Also active member of school's **Medical Emergency Response Team**.
- Volunteer math tutor at **YMath**, Hackensack, NJ.

HONORS, AWARDS, AND MEMBERSHIPS:

- Winner of the "**North Jersey State Spelling Bee**" and contestant in "**2013 Scripps National Spelling Bee**", Washington DC. Ranked **43rd** among 280 contestants representing 12 nations.
- **Research Awards:**
 - **Winner** (1st place) of the **2017 Regeneron** (formerly Intel) **Science Talent Search**.
 - Top 15 **National Finalist** in **2016-17 American Academy of Neurology** Research Competition.
 - 1st Place in Cell and Molecular Biology at the **2016 New Jersey Academy of Sciences**.
 - 2nd Place Poster Presentation at **2016 Regional Junior Science and Humanities Symposium**.
 - Honorable Mention in **2015** and **2016 North Jersey Regional Science Fairs**.
- Winner (1st Place) of 2016 Science Olympiad Regional Tournament in **Protein Modeling**.
- Finalist (4th Place) in 2015 Science Olympiad Regional Tournament in **Anatomy & Physiology**.
- Finalist (5th Place) in 2016 Invitational Science Olympiad Tournament in **Cell Biology**.
- "USA Biology Olympiad Semifinalist" (2015).
- **National Finalist** (5th place) in HOSA Biotechnology in both 2014 and 2015.
- Finalist in the "**National French Contest**": 2014 bronze (level II), 2015 silver medalist (level III).
- Inducted into BCA's Chapter of "**National Honor Society**" (2015) and "**French Honor Society**" (2015).
- Recognized with a special **Letter of Commendation** (November 2015) from our Principal, for voluntarily maintaining the upkeep of the Cell Biology Lab and mentoring younger students in the absence of lab's research assistant.