



NAME: DOMINICK ROWAN

SCHOOL: Byram Hills High School, Armonk, N.Y.

YEAR: Senior

HOMETOWN: Armonk, N.Y.

PROJECT: Determining the frequency of Jupiter analogs & the announcement of a Jupiter analog orbiting a Sun-like star

FIELD: Physics

MENTOR: Dr. Stefano Meschiari, University of Texas at Austin; Mr. David Keith Director of Science Research, Mr. James Gulick Science Research Teacher, Mrs. Stephanie Greenwald Science Research Teacher, Mrs. Megan Salomone English Teacher, Byram Hills High School

“Having never learned a programming language, developing the skillset to devise my own approach to problems was a challenging, yet rewarding experience.”

Dominick found his passion for exoplanet detection in an article he read in *Scientific American*. He became fascinated with other worlds and wanted to explore the topic further. For Dominick’s project he detected a new Jupiter-like planet and calculated how many stars host a Jupiter-like planet. His discovery allows the world to evaluate the commonality of the Solar System.

In total, Dominick has taken nine STEM courses in high school. He enjoys the problem solving and independently developing ways to approach problems that STEM courses allow. He is a Cum Laude Society member, the Vice President of a volunteer club and has received the Byram Hills High School Junior Science Research Award.

Dominick plays a variety of instruments: the French horn, piano, guitar and bass guitar. He is also a member of his high school’s track team, running in both the winter and spring seasons. Dominick aspires to be a scientific researcher and would enjoy speaking with Johannes Kepler because he created integration between the studies of Astronomy and Physics.