

**Name:** Evan Mascia

**Year in Course:** 1st, Sophomore Year

**Topic:** Underwater Soft Robotics

**Mentor:** Dr. Rubio

**Title:** Locomotion of Underwater Soft Robots

**Bio:**

Evan is a sophomore in the science research course. He has been interested in engineering and robotics since early in his life, and has pursued this interest in his research study. During his science research career, he has pursued the question as to how soft underwater robots can make use of biomimetics to overcome the limitations of more flexible materials in favor of more environmentally friendly designs. As of now, he is continuing research on different methods of locomotion for underwater soft robots that could best compete with conventional underwater robots, and he plans on conducting experiments with these robots in the ocean to identify how these robots can perform in the environment in which they will be used most frequently.

In his spare time, Evan plays for multiple soccer teams, as well as his school's track and field team. He is a member of his grade's Student Council, and he participates in Drama Club as stage crew. Outside of school, he enjoys reading and playing video games. He has worked hard this year, having committed to both science research and two AP classes. Although new to the science research course, Evan is excited to continue his research in the years to come.



**Awards/Honors**

- President's Award for Educational Excellence 2019
- Principal's Honor Roll (A+) 2019-Present
- Excellent Attendance 2019-Present
- Highest Average - Regents Living Environment 2019