

## Education

Saint John's High School, *Class of 2021*

- *Advanced Placement*: Microeconomics (5/Self Study), Statistics (4/Self Study), Macroeconomics (5/Self Study), European History (5), BC Calculus, French Language and Culture, English Language and Composition, Physics 1, US History
- *Standardized Testing*: PSAT (1470/1520, 99<sup>th</sup> percentile) / SAT (1550/1600, 780/800 Math, 770/800 EBRW, 99<sup>th</sup> percentile) / Math Level 2 Subject Test (780/800)

## Honors and Awards

Advanced Placement Scholar with Honor (Sophomore) – 2019

- Approximately 30 students earn the honor of AP Scholar with Honor as a sophomore in Massachusetts each year.

Intel International Science and Engineering Fair:

- Certificate of Honorable Mention, American Statistical Association – May 2019

Massachusetts State Science and Engineering Fair:

- First Award, High School Division - 2019
- Third Award, High School Division – 2018

Southern New England Delegate (Finalist), National Junior Science and Humanities Symposium – April 2019

Massachusetts Junior Advancement of Science Symposium

- First Place – October 2019
  - Represent the Massachusetts at the annual meeting of the American Association for the Advancement of Science.

Southern New England Junior Science and Humanities Symposium:

- First Place, Poster Presentation – March 2019

Worcester Regional Science and Engineering Fair:

- Second Award, High School Division (4<sup>th</sup> Overall and selected ISEF Delegate) – March 2019
- Naval Science Award, High School Division – March 2019
- Third Award, High School Division – March 2018

## Selected Publications

1. A.S. Wadekar, "Understanding Opioid Use Disorder (OUD) Using Tree-Based Classifiers", Drug and Alcohol Dependence, Elsevier, 2019 (accepted for publication) (Impact Factor: 3.466)
2. A.S. Wadekar, "Predicting Opioid Use Disorder Using a Random Forest", IEEE Computer Software and Applications Conf., Milwaukee, WI, 2019
3. A.S. Wadekar, "Grade-level participation in the AP curriculum", IEEE Integrated STEM Education Conf., Princeton, NJ, 2018

## Experience

*Photographer in Residence*, Town of Westborough (July 1, 2019 – June 30, 2020)

- *Work to further the Town of Westborough's historical project in preserving the history of Westborough, as it happens through photographs. My responsibilities include interacting with Town citizens to gain an understanding of the meaning behind a photo.*

*Intern*, Town of Westborough Economic Development Committee (July 2018 - Present)

- *Propose and assist in maintaining useful data management solutions for effective communication with Westborough's small businesses.*

*Contributing Writer and Photographer*, The Community Advocate Newspaper (April 2018 - Present)

- *Write informative articles, supplemented with pictures covering local events such as the Martin Luther King Jr. Community Celebration, Massachusetts Down Syndrome Congress' Buddy Walk and Harvest Fair.*

## Activities

*Member*, Saint John's High School Mock Trial Team (2018 - Present)

- *Prepare and present arguments on hypothetical criminal and civil cases, simulating the proceedings in a real-world courtroom.*

*Member*, Saint John's High School French Club (2018 – Present)

- *Celebrate French culture through events and programs held at Saint John's High School.*

*Member*, Saint John's High School National Honor Society (2019 - Present)

- *Main responsibility is tutoring struggling students in all academic subjects, especially mathematics and history.*

*Founder and President*, Saint John's High School Research Club (2019 - Present)

- *Guide fellow Saint John's students in the process of conducting a scientific research project.*