

## **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, United States History
- PSAT - (1460/1520, 99<sup>th</sup> percentile)

## **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.

Intel International Science and Engineering Fair:

- Certificate of Honorable Mention, American Statistical Association - 2019

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

Southern New England Junior Science and Humanities Symposium:

- First Place, Poster Presentation – 2019

Worcester Regional Science and Engineering Fair:

- Second Award, High School Division (Top 4 Overall) – 2019
- Naval Science Award, High School Division – 2019
- Third Award, High School Division – 2018

Massachusetts State Science and Engineering Fair:

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

Broadcom MASTERS, Top 300 Masters, Society for Science and the Public – 2017

## **Publications**

IEEE Computer Software and Applications:

- Predicting Opioid Use Disorder Using a Random Forest, Fast Abstract (2-page paper, 40% acceptance rate), 2019

IEEE Integrated STEM Education Conference (Princeton, NJ):

- Grade Level Participation in the Advanced Placement Curriculum (2018) - Fully Refereed Paper

## **Experience**

*Organizer*, CodeDay Boston (July 2019 – Present)

- *Work with a dedicated team of high school and college students to organize an event where students spend 24 hours building games and apps.*
- *Tasks include securing sponsorships, finding a venue, and promoting the event to communities in the Greater Boston Area*

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

- *Celebrate and preserve the history of the Town of Westborough through photographs of citizens, landmarks, and events in the Town.*

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

- *Propose and assist in maintaining data management solutions.*

*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.*

*Volunteer Photographer*, New England Maharashtra Mandal (January 2019 – Present)

- *Take photographs at NEMM events; there are about 5 events per year.*

*Founder*, Older Adults Technology Help Services (July 2019 – Present)

- *Work with local organizations including the Westborough Public Library to host technology help workshops for older adults.*

## **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.*

*Writer, Saint John's High School Red and White Newspaper (2018 - Present)*

- *Write articles and "blogs" of happenings at Saint John's High School.*

*Member, Saint John's High School Be Like Brit Club (2018 - Present)*

- *Organize drives and collect funds to support the 66 boys and girls at Brit's home in Haiti.*

## **Skills**

SurveyMonkey, Google Forms, R, Python and Excel for Quantitative Data Analysis

HTML, CSS, JavaScript, Node.js, MongoDB, React/Redux, Python, PHP, and SQL for Web Development.

Photography and working knowledge of Adobe Lightroom/Bridge/Photoshop Creative Cloud