ADWAY S. WADEKAR

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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 Tests*: PSAT (1470/1520)/ SAT (1550/1600, 780/800 Math, 770/800 EBRW) / Math II Subject Test (780/800).

Honors and Awards

Advanced Placement (AP) Scholar with Honor (Sophomore):

- *About 30 students earn this distinction in the sophomore year in Massachusetts each year (2019).*

Intel International Science and Engineering Fair:

- *Certificate of Honorable Mention (Top 10 Statistics Projects Worldwide), American Statistical Association (2019).*

Massachusetts State Science and Engineering Fair:

- *First Award (2019), Third Award (2018).*

National Junior Science and Humanities Symposium:

- *Southern New England Delegate/Finalist, selected for winning First Place in the Poster Presentation Competition at Southern New England Junior Science and Humanities Symposium (April 2019).*

Massachusetts Junior Advancement of Science Symposium:

- *First Place (October 2019). Selected to represent Massachusetts at the annual meeting of the American Association for the Advancement of Science (February 2020).*

Worcester Regional Science and Engineering Fair:

- *Second Award/4th Overall (March 2019), Third Award (March 2018). Naval Science Award (March 2019).*

Selected Publications

1. A.S. Wadekar, "Understanding Opioid Use Disorder using Tree-based Classifiers", Full-length Research Article, *Drug Alcohol Depend*. (Impact factor 3.466), vol. 208, March 2020.
2. A.S. Wadekar, "Predicting Opioid Use Disorder Using a Random Forest", *IEEE Computer Software and Applications Conf.*, Fast Abstract/Short Communications, Milwaukee, WI, 2019.
3. A.S. Wadekar, "Grade-level participation in the AP curriculum", *IEEE Integrated STEM Education Conf.*, Full-length, Peer-reviewed Article, Princeton, NJ, 2018.

Experience

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

 Document and preserve the history of the Town of Westborough through photographs. My responsibilities include curating about 100 photographs which capture the traditions and events of the town through the eyes of the children.

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

- *Propose and maintain data management pipeline to stimulate business growth in Westborough.*

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.*

Workshop Organizer and Presenter, Raising the Awareness of Substance Abuse Among Youth (June 2019 - Present).

- *Making our youth cognizant of the adverse impact of substance, and resist peer pressure through role playing. Presented at local library, cultural events, and on a panel for KIND (Kids in Need of Defense).*

Workshop Organizer and Presenter, Introduction to Data Analysis (October 2017 - Present).

- *Teach data analysis skills to elementary and middle school students using real-life data sets such as NCAA March Madness Statistics. Presented on High School Science Day.*

Activities

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

- *Prepare and present arguments on criminal and civil cases, simulating the proceedings in a real-world courtroom. Led Saint John's High School to Regional Championship in 2018-2019, 2019-2020.*

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

- *Tutor struggling students and athletes in all academic subjects, especially mathematics, science, French, and history.*

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.