

Robert Allen Mosher III

84 Wellesley St, Weston MA, 02493

- **Weston High School** (August 2016 - June 2020), (GPA 3.8/4.0)
 - Relevant Coursework: AP Calculus BC, AP Chemistry, AP Physics C, AP Computer Science A, AP Biology, AP Statistics, AP Mandarin
- **Boston University Summer Session** (June 2020 - August 2020): Introductory Microeconomics
- **ACT Composite 36/36, SAT II: 800/800 Chemistry, 800/800 Math II, 780/800 U.S. History**
- **National Merit Commended Scholar** (NMS Index 222), AP Scholar with Distinction

Projects and Experience:

- **Weston High School Technology Internship**, Hardware Specialist (August 2020-Present):
 - Prepared school district of 2,000 students and faculty for online learning
 - Diagnosed and repaired device hardware failures in desktops, laptops, and tablets
- **Weston High School AP Chemistry/Physics TA** (August 2020-Present):
 - Offered tutoring services in advanced math and science courses for students affected by shift to remote study amid Covid-19
 - Designed and recorded lab activities, improving access to demonstrations of scientific principles
- **Independent Project: Automated Irrigation System** (July 2020-Present):
 - Raspberry Pi/IoT system based on MongoDB, Express.js, React.js, and Node.js designed to optimize water usage at Land's Sake farm in Weston, MA
 - Planned implementation for use in biology classes at Weston High School Greenhouse in 2020-21 school year to aid in remote lab work

Relevant Skills:

- Experience in Java, Swift, C, HTML, CSS, Arduino, MERN, and Python
- Familiarity with Mac OS X, Windows, Ubuntu/Debian Linux

Community Service and Activities:

- **Rotary Interact Club** (August 2016-June 2020):
 - Twice peer-elected President of Interact Chapter (2018, 2019)
 - Partnered with Rotary Club #6599 to raise over \$50,000 for local scholarships and organizations
 - Rotary Youth Leadership Award Winner (February 2018)
- **First Parish Church of Weston** (September 2015-Present):
 - Senior Religious Education Instructor (September 2017-Present)
 - Taught religious education programs to 5-10 students in 1st-8th grade.
 - Planned curriculum and facilitated discussion on a weekly basis.
- **Chemistry Olympiad, Electrochemistry Specialist (February 2019-May 2020):**
 - Twice selected to regional competition (2019, 2020)
- **WHS Wind Ensemble/Symphony Orchestra** (September 2017-June 2020):
 - Elected Band Officer (2019-2020)
 - Selected by audition as First Chair trombone (2019)
- **Weston High School Cross Country and Track** (August 2018-June 2020):
 - Four season elected captain for state champion team (2019-2020)
 - Qualified for Sectional and All-State Competition in the 5k and 2 mile runs
 - Ranked #1 in Massachusetts in the 3200m run (2020)