

Erik Boesen

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Education

2015-2019 GEORGE MASON HIGH SCHOOL, IB Diploma Candidate, Falls Church, VA
2017 VIRGINIA RESIDENTIAL GOVERNOR'S SCHOOL FOR MATH, SCIENCE, & TECHNOLOGY, Lynchburg, VA

Experience

2018-2019 MIT MARINE AUTONOMY LAB // *Research Intern* // Helped run aquatic human-robot interaction experiments using MOOS-IvP framework and voice-controlled semiautonomous USVs. Used C++/Python to develop emotion tracking and autonomous driving software.

2015-2019 FIRST TEAM 1418 // *President (2018-2019), Programming Captain (2017-2019), User Interface Director (2016-2017)*

2016-2019 CYBERPATRIOT // *Captain, Team 10-1018 & Team 11-1091* // Competed in national cybersecurity championship and directed school's program.

2017-2019 MASONHACKS // *Founder & Director* // Started GMHS' first "hackathon" programming competition. Raised over \$2,500 each year in corporate sponsorship.

2016-2019 HACK CLUB // *Founder & President* // Created GMHS chapter of Hack Club for students to work on and get help with personal programming projects.

2018-2019 GMHS STUDENT ADVISORY BOARD // *Co-founder & Technical Representative* // Helped organize then was elected to GMHS administrative advisory group. Advocated for reasonable and secure tech infrastructure security policy.

2016- VEKTRE LABS // *CEO* // Designed modern websites for local corporations and nonprofits including English Now!, Tinner Hill Heritage Foundation, Welcoming Falls Church, Falls Church Villiage Preservation and Improvement Society, and others.

2017-2019 THE ACADEMIST // *Founder & Editor* // After publishing articles in school newspaper, founded independent journal for high school students to fill media void of youth voices.

AWARDS

2018 FIRST DEAN'S LIST // Recognized as one of FIRST Robotics Competition's top students. One of ten winners from 92,000 students.

2017 Winner of US Congressional App Challenge for [Opinr](#)

2018 Worked with VA General Assembly to pass HB1111, a bill organizing a STEAM Education Fund for technology education programs at underserved high schools

2016-2019 Created [FRC Dashboard](#) and derived driving dashboard, which has won FIRST Robotics Innovation in Control Award five times

2018 Recipient of George Mason High School Outstanding Computer Scientist award, awarded to GMHS' top Computer Science student

TECHNOLOGIES

Proficient Python, HTML/CSS/JS, C/C++, Java, Ruby, UNIX, TeX
Familiar Go, Perl, Lisp, Batch

Last updated: November 19, 2018 • erikboesen.com/resume.pdf