Erik Boesen

Email: me@erikboesen.com
URL: erikboesen.com
Profiles: GitHub, LinkedIn, Twitter, Instagram (account run by bot)

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-	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.
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.
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 Winner: chosen as one of FIRST Robotics Competition's top students, an honor awarded to only 10 FRC students of 92,000 each year
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