

Erik Boesen

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Profiles: [GitHub](#), [LinkedIn](#), [Twitter](#), [Instagram](#) (account run by bot)

Education

2015-2019 IB DIPLOMA, George Mason High School, Falls Church, VA

Experience

2018-2019 MIT Marine Autonomy Lab // Research Assistant, helping to run experiments on human-robot interaction and autonomous aquatic robotics

2015-2019 FIRST Robotics Competition Team 1418 // Team President (2018-2019), Programming Captain (2017-2019), User Interface Director (2016-2017)

2017 Virginia Residential Governor's School for Math, Science, and Technology

2016- Vektre Labs // CEO, performing web design services for local corporations and nonprofits

2016-2019 CyberPatriot // Captain, Team 10-1018 (2018) and Team 11-1091 (2019). Competed in national cybersecurity championship and directed school's program.

2017-2019 MasonHacks // Founded and Directed (for two years) GMHS' first "Hackathon" programming competition. Raised over \$2,500 each year in corporate sponsorship.

2016-2019 GMHS Hack Club // Founded and led chapter of Hack Club at Mason

2018-2019 GMHS Student Advisory Board // Helped found, then sat, on GMHS board to give advisory to school administration on implementing strong IT security policy

2017-2019 The Academist // Founded intellectual journal for secondary students

TECHNOLOGIES

Proficient Python, HTML/CSS/JS, C/C++, Java, Ruby, GNU/Linux/UNIX/shell, TeX

Familiar Go, Perl, Lisp

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