

Erik Bøsen

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Education

2019-2023 YALE UNIVERSITY, Combined BS/MS 4-year accelerated degree in Computer Science. New Haven, CT
2015-2019 GEORGE MASON HIGH SCHOOL, Graduated with IB Diploma as Valedictorian. Falls Church, VA

Experience

2019 SCHOLOGY // *Software Engineering Intern*
- Hired as youngest ever intern after creating browser extension to overhaul graphics & add features
- Revamped dependency management for enhanced security
- Built new features for standards-based grading and student mastery assessment on enterprise-grade web app with over 20 million users

2018-2019 MIT MARINE AUTONOMY LAB // *Research Intern*
- Executed aquatic human-robot interaction experiments using voice-controlled semiautonomous aquatic robots
- Created datasets for DARPA, Battelle, and other lab sponsors
- Built emotion tracking and autonomous driving software with C++/Python
- Programmed camera management system for MOOS-IvP autonomy framework
- Completed graduate-level MIT 2.680 coursework during internship.

2015-2019 FIRST TEAM 1418 // *President 2018-2019, Programming Captain 2017-2019, UI Director 2016-2017* // Wrote multi-lingual code for robot control in large student organization. Created platforms for sophisticated data analysis, and led team to establish inclusive leadership structure and outreach programs.

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

2016-2019 CYBERPATRIOT // *Captain, Team 10-1018 & Team 11-1091* // Competed in national cybersecurity championship. Directed school's program and taught programming lessons to other competitors.

2018-2019 VIRGINIA GENERAL ASSEMBLY // Worked as a short-term intern in Delegate Kathy Tran's office. Performed preliminary research, helped in drafting, and testified in support of HB1111, which proposed a STEM Education Fund for supporting technology education programs at underserved high schools.

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

AWARDS

2018 FIRST DEAN'S LIST // Selected as one of ten students from 92,000 eligible to receive the highest student award in FIRST Robotics Competition.

2017 US CONGRESSIONAL APP CHALLENGE WINNER // Won US Congress challenge for creation of [Opinr](#), a web application exposing users to diverse political perspectives paired with a social network for open discussion.

2016-2018 FIRST INNOVATION IN CONTROL AWARD // Won for creation of open-source [FRC Dashboard](#) platform, now used by over 100 robotics teams for advanced, customizable robot control.

2018 GMHS OUTSTANDING COMPUTER SCIENTIST AWARD // Recognized as the top student in Mason's computer science department.

SKILLS

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