Erik Bøsen

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Education

2015-2019	George Mason High School, IB Diploma Candidate, Valedictorian. Falls Church, VA
2017	Virginia Residential Governor's School for Math, Science, & Technology. Lynchburg, VA
2019-2023	Yale University, Combined BS/MS 4-year accelerated degree program, Computer Science. New Haven, CT

Experience

2018-2019	MIT Marine Autonomy Lab // *Research Intern* // Helped run aquatic human-robot interaction experiments using voice-controlled semiautonomous USVs. Used C++/Python to develop emotion tracking and autonomous driving software and contribute to MOOS-IvP autonomy framework.
2015-2019	FIRST Team 1418 // *President 2018-, Programming Captain 2017-, UI Director 2016-2017* // Wrote multilingual 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	MasonHacks // *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.
2016-2019	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 // I was 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 // Winner of US Congress challenge for creation of Opinr, a web application exposing users to opposing political ideology 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