Erik Boesen

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Education

2019-2023	YALE UNIVERSITY, Accelerated BS & MS degree in Computer Science. New Haven, CT

Experience

2020-	POWERSCHOOL / *Software Engineering Intern*
	- Rebuilt main internal platform management tool using React
	- Refactored external API interface resulting in 92% transaction time decrease
	- On-call dev for production deploy process
2020	PREPARED / *Tech Intern*
	- Migrated Android app network layer from REST to GraphQL with Apollo
	- Scraped online student directory into Postgres database for Rails backend
2019-2020	YALE STUDENT TECHNOLOGY COLLABORATIVE / *Student Developer* / Maintained Rails apps, especially housing selection app on behalf of University.
2019	SCHOOLOGY / *Software Engineering Intern*
	- Hired as youngest ever intern after creating popular browser extension to modernize web app
	- Developed new grading interface features in PHP
	- Revamped Node dependency management with Snyk and Yarn
	- Navigated Agile team, including running standup
2018	MIT MARINE AUTONOMY LAB / *Research Intern*
	- Executed human-robot interaction experiments using semiautonomous aquatic robots
	- Gathered biometric datasets for lab sponsors DARPA & Battelle
	- Built autonomous driving software with C++
	- Added camera support to MOOS-IvP robotic autonomy framework
	- Completed MIT 2.680 graduate course

Projects

2019-	COMETHRU / iOS/Android social network to help college students find parties using custom Python backend with Postgres, GPS background tracking to detect presence at events. 1450+ active users (25% of Yale) in first month. Featured in Yale Daily News.
2016-	OPEN SOURCE / >300 repositories, >20,000 commits. See github.com/ErikBoesen and organizations.
	- Yale Menus: Android/iOS app with companion web scraper and API for dining at Yale, used by a majority of students
	- MeBots: online bot store with SDK to wrap GroupMe API for bot management (Python)
2015-2019	FIRST TEAM 1418 / *President, Programming Captain* / Wrote multilingual code for robot control in large student organization. Created platforms for sophisticated data analysis with Node, and led team to establish inclusive leadership structure and outreach programs across 4 countries.
2017-2018	MASONHACKS / *Founder & Director* / Founded GMHS' hackathon. Raised $2,500 in corporate sponsorship.

AWARDS

2018	FIRST DEAN'S LIST / One of ten students (from 92,000 eligible) who received the highest student award in the FIRST Robotics Competition.
2017	US CONGRESSIONAL APP CHALLENGE WINNER / Won US Congress challenge for creation of Opinr, a web app and social network for aggregating diverse political perspectives.
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.

SKILLS

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