

# Erik Boesen

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## Education

2019-2024 YALE UNIVERSITY, Accelerated BS & MS degree in Computer Science. New Haven, CT

## Experience

### POWERSCHOOL

2020- Associate Software Engineer

2020 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 SCHOLOGY / 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
- Added camera support to C++ 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](https://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