

# john moreland | engineer + student

## education

**olin college of engineering** | expected: 2019

b.s. engineering: **robotics**

recipient of 4-year, 50% olin merit scholarship  
coursework: software design, design nature,  
modeling + simulation, coastal navigation

## experience

**boosted boards** | 2016

intern: **product development**

Designed, prototyped, and tested ultra portable electric vehicles.  
Thoroughly explored potential markets and determined viability.

**simplehuman** | 2014 - 2015

intern: **research and development**

Worked alongside product managers in the early stages of the  
design process. Created products that improve daily tasks.

**rolling robots** | 2013 - 2015

**mentor**

Kickstarted three robotics teams for rolling robots and mentored  
middle school students through their first competition seasons.

## projects

**engineering design + development** | 2014 - 2015

**project manager**

Led a team of 19 students through a year-long robotics challenge.  
Created a volcano exploration device, along with industry  
standard systems performance specification, proof of concept,  
technical data package, and trade show booth.

**vex robotics** | 2010- 2014

**captain**

Competed through five seasons of vex robotics. Developed a  
pneumatic catapult, implemented autonomous operation, and  
designed a robot capable of climbing four times its height.

**sumrizr {wellesley hackathon}** | 2016

**front-end developer**

Worked in a team of 4 to create and deploy a web app that  
summarizes a user-defined book: [flask-sumrizr.herokuapp.com](http://flask-sumrizr.herokuapp.com)

**play project** | 2015

**experience design**

Worked with 4 other students to design a turtle-themed play  
experience for fourth grade students. We fabricated "shell  
backpacks" and designed bio-inspired games for the kids.



johnmoreland.io



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## manufacturing

CNC and manual mill

CNC router

3d printer

laser cutter

## cad

solidworks

autodesk inventor

fusion 360

## code

HTML

CSS

arduino

robotC

MATLAB

## additional

adobe suite

soldering

circuitry