

john moreland

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**

Developed ultra portable electric vehicles. Designed and prototyped new products targeted at urban commuters.

simplehuman | 2014 - 2015

intern: **research and development**

Designed household products that improve daily tasks. Created initial electromechanical prototypes for emerging product lines.

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.

folding kayak - passion project | 2016

marine design

Designed and fabricated a folding kayak with \$50 worth of corrugated plastic, blue tarp, scrap wood, and duct tape.


play project | 2015

experience design

Collaborated 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

 @john_moreland

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design

solidworks

photoshop

illustrator

prototyping

CNC and manual mill

CNC router

3d printer

laser cutter

circuit design

code

python

html + css

arduino

robotC

matlab