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

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

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.

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johnmoreland.io

310.753.9577

jmoreland@outlook.com

@john_moreland

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