

# john moreland

engineer + student

## education

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

B.S. engineering: **Robotics**

GPA available may 2016

recipient of 4-year, 50% olin merit scholarship

coursework: software design, design nature,  
modeling + simulation, coastal navigation

**california academy of math + science** | 2015

high school diploma

GPA: 3.9 / 4

questbridge college prep scholar

coursework: computer integrated manufacturing,  
engineering design + development, digital electronics



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## 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.

**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.

## 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