

Shane Kelly

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EDUCATION

FRANKLIN W. OLIN COLLEGE OF ENGINEERING

Robotics Engineering Candidate

Needham, MA

May 2018

CEDAR PARK HIGH SCHOOL

High School Diploma

Cedar Park, TX

Jun 2014

WORK EXPERIENCE

3D Printing Research - Olin College

- Research printing methods to increase efficiency and usability in the rapid prototyping field
- Oversee campus-wide 3D printer use
- Edit 3D models to ensure compatibility with the 3D printing process
- Design and print complex 3D models to push the boundaries of modern 3D printing technology

Needham, MA

Sep 2014 – Present

Robotics Research – Olin College

- Research and advance human-robot interaction
- Create a user-friendly robotics platform for future students to use

Needham, MA

Jan 2015 - Present

Product Design - National Oilwell Varco

- Worked alongside innovators in the oil field
- Gained exposure to real-world design processes

Austin, TX

Feb 2014

Private Tutor - Self Employed

- Held private tutor session for math students
- Helped students develop healthy study habits

Austin, TX

Sep 2013

PROJECTS

Grand Scholar's Challenge – Using Drones to Detect Undetonated Landmines

- Currently working with drone specialists, Navy explosives specialists, and Olin College students and professors
- Proposing a method to use quadrotor drones to pinpoint and mark undetonated ordnance all over the world

3D Modeling

- 5 years of experience
 - Autodesk Inventor
 - Solidworks

Founded and led a VEX Robotics team

- Competed in the world championship in 2013 and 2014
- Created an award-winning design and documentation process
 - Won Texas state championship design award in 2013 and 2014

Founded and led a FIRST Robotics team

- Competed in the national championship in 2014

LANGUAGES

Fluent

- English
- MATLAB
- Java
- Python

Conversational

- Spanish
- JavaScript
- C
- LabVIEW