

# Sierra Palmer

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## OBJECTIVE

I want to be placed in a Global IQP.

## EDUCATION

**Worcester Polytechnic Institute - Worcester, MA**  
Bachelors degree in Robotics Engineering  
Current GPA after Spring 2016: 3.60/4.0

**August 2015-Present**  
Expected Graduation: May 2019

### **Major Specific Classes Completed:**

- CS 1101: Intro to Program Design (Dr. Racket)
- ECE 2029: Intro to Digital Circuit Design
- RBE 1001: Introduction to Robotics Engineering (Arduino)

## EXPERIENCE

### **HERE Intern, Oak Ridge National Laboratory; Knoxville, TN      May-August 2016**

-I worked with a group to develop and build large-scale additively manufactured wind turbine blade molds in coalition with another DOE lab (NREL) and a New England company. I queued and monitored prints and learned how to machine large-scale parts with a router. I also worked on two papers, one on the current state of additive manufacturing in the wind industry and the other about support material in large scale additive, which are not yet published.

### **Robotics Intern, Oak Ridge National Laboratory; Knoxville, TN      July-August 2015**

-I worked with a group of 3 fellow students to help design, 3D print, and build a promotional t-shirt cannon for the local FIRST robotics team. I was also trained on two large-scale 3D printers to assist in research projects at the lab.

## SKILLS

- |                            |                            |
|----------------------------|----------------------------|
| -Solidworks                | -Shop hand and power tools |
| -Soldering                 | -Wiring: electrical        |
| -Public speaking           | -Collaborative skills      |
| -Microsoft Office Programs | -Working with people       |

## INTERESTS

- |                           |                     |
|---------------------------|---------------------|
| -Hiking                   | -Camping            |
| -Trying new foods         | -Traveling          |
| -Learning constantly      | -Being outdoors     |
| -Exploring anything I can | -Meeting new people |

## **EXTRA CURRICULAR ACTIVITIES**

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-Class Representative for the Nu Class of Alpha Xi Delta **Winter 2016- Present**

-Nominee/attendee for Alpha Xi Delta's Founders' Academy: A Leadership Conference

**July 2016**

-Volunteer at Mustard Seed, a local soup kitchen, every term **Winter 2016- Present**

-Mission work in Boston through Catholic Heart Work Camp **July 2015**

-Mission work in Philadelphia at Center for Creative Works through Catholic Heart Work Camp

**July 2014**