

Sierra Palmer

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OBJECTIVE

I am applying for an international 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 (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

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|------------------|----------------------------|
| -Solidworks | -Shop hand and power tools |
| -Soldering | -Wiring: electrical |
| -Public speaking | -Collaborative skills |

EXTRA CURRICULAR ACTIVITIES

-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 7 weeks Winter 2016- Present

Individualization Strategic Learner Developer Input

