

# Kayla M. Cascarilla

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<b>Education</b>	<b>Michigan State University Honors College: East Lansing, MI</b> B.S. in Biosystems Engineering with a Biomedical Engineering Concentration Academic Scholars Program   Bakker-Arkema Endowed Scholarship Recipient	<b>Expected May 2017</b> GPA 3.3/4.0
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## Professional Experience

<b>Neonatal Nutrition and Exercise Research Laboratory Research Assistant</b> <i>Michigan State University: East Lansing, MI</i>	<b>Jan. 2016-Present</b>
<ul style="list-style-type: none"><li>• Research the influences of early life nutrition on risk of developing of cardiovascular diseases</li><li>• Collaborate with team members to find experiments that best suit the research objectives</li><li>• Investigate factors that contribute to mononucleation in cardiovascular cells within a few weeks of birth</li></ul>	
<b>Motor Neuroscience Laboratory Research Assistant</b> <i>Michigan State University: East Lansing, MI</i>	<b>Jan. 2016-Present</b>
<ul style="list-style-type: none"><li>• Develop code that collects data on multisensory-motor integration and sensorimotor adaptation</li><li>• Analyze data collected from experiments to assure validity of each experiment</li><li>• Assist in the investigation of brain dynamics of motor control through the use of EEG scans</li></ul>	
<b>Clinical Operations Intern</b> <i>Biohaven Pharmaceuticals: New Haven, CT</i>	<b>May 2016-Aug. 2016</b>
<ul style="list-style-type: none"><li>• Assist with clinical trials for multi-center studies of investigational new drugs</li><li>• Collect and professionally display market research of competitors' landscape</li></ul>	
<b>Editorial Assistant</b> <i>Labor Studies Journal: East Lansing, MI</i>	<b>May 2014-May 2016</b>
<ul style="list-style-type: none"><li>• Assemble quarterly manuscripts for review for the official journal of the United Association for Labor Education working directly with the editor</li><li>• Recommend edits and correspond with professors across the country on changes to their manuscripts</li></ul>	
<b>Hot Mix Asphalt Laboratory Co-Op</b> <i>Michigan Department of Transportation: Dimondale, MI</i>	<b>May 2014-Aug. 2015</b>
<ul style="list-style-type: none"><li>• Analyzed the results of asphalt emulsions and hot pour asphalt</li><li>• Calibrated and repaired machinery used for testing</li><li>• Trained new co-ops on how to run and analyze tests</li></ul>	
<b>TRAC Internship</b> <i>Michigan Department of Transportation: Lansing, MI</i>	<b>May 2013-July 2013</b>
<ul style="list-style-type: none"><li>• Participated in hands on activities centered around civil engineering</li><li>• Collected and organized GPS coordinate data for a collegiate level course</li><li>• Interpret, present and professionally display data for a MDOT project</li></ul>	

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## Activities

<b>Executive Board Member: Biomedical Engineering Society</b>	<b>Jan. 2014-Present</b>
<ul style="list-style-type: none"><li>• Professional development of the biomedical engineering profession</li></ul>	
<b>Executive Board Member: Engineers without Borders</b>	<b>Jan. 2015-Present</b>
<ul style="list-style-type: none"><li>• Partner directly with communities in countries around the world on projects to meet a community's self-identified needs and develop sustainable solutions to address those needs using the knowledge of engineering</li></ul>	
<b>Mentor: Society of Women Engineers</b>	<b>Aug. 2013-Present</b>
<ul style="list-style-type: none"><li>• Provide guidance and counsel to mentees in their pursuit of careers in engineering</li><li>• Participate in various philanthropic opportunities</li></ul>	
<b>Member: Women in Engineering</b>	<b>Aug. 2013-Present</b>
<ul style="list-style-type: none"><li>• Collaborates with MSU and the College of Engineering to encourage growth in engineering for women</li></ul>	
<b>Member: Biosystems Engineering Club</b>	<b>Aug. 2014-Present</b>
<ul style="list-style-type: none"><li>• Participate in cocurricular and extracurricular activities</li></ul>	
<b>WileyPLUS Student Partner</b>	<b>Aug. 2016-Present</b>
<b>Honors College Dean's Ambassador</b>	<b>Aug. 2016-Present</b>
<b>Michigan State Club Softball</b>	<b>Aug. 2014-May 2015</b>

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## Service

<ul style="list-style-type: none"><li>• Volleyball Coach: Saint Gerard School</li></ul>	<b>Aug. 2016 - Present</b>
<ul style="list-style-type: none"><li>• Engineers Without Borders Alternative Spring Break</li></ul>	<b>Mar. 2016</b>
<ul style="list-style-type: none"><li>• Introduce a Girl to Engineering Day Volunteer</li></ul>	<b>Feb. 2016</b>
<ul style="list-style-type: none"><li>• Basketball Coach: Saint Gerard School</li></ul>	<b>Jan. 2016-Mar. 2016</b>
<ul style="list-style-type: none"><li>• Softball Coach: Lansing Catholic High School</li></ul>	<b>June 2014-July 2014</b>