

# BRADY HRABOVSKY

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<b>OBJECTIVE</b>	To apply my knowledge of Mechanical Engineering theory and design through a cooperative employment opportunity. Available June 2017 through August 2017	
<b>EDUCATION</b>	<b>ROCHESTER INSTITUTE OF TECHNOLOGY</b> , Rochester, NY BS/MEng in Mechanical Engineering, expected May 2018 Minor in Electrical Engineering GPA: 3.87/4.0 RIT Honors Program, Outstanding Undergraduate Scholar Award	
<b>PROJECTS</b>	<b>Electric Motor Test Stand and Performance Archiving</b> Using an Arduino Uno and various IC's/basic electrical circuit components, developed a safe, reliable, and user friendly method for testing and recording electric motor/propeller performance metrics such as thrust output and power consumption versus throttle input.  <b>Autonomous Control and Tracking of Quadcopter Using OpenCV</b> Implemented object tracking using a laptop and webcam along with the OpenCV framework with C++ and JavaScript to autonomously solve kinematic equations to track and control a quadcopter to catch a thrown ball.	
<b>EXPERIENCE</b>	<b>Lockheed Martin Corporation</b> , Syracuse, NY <b>Co-op</b> June 2016 – August 2016 Supported Production Hardware team with design and analysis of various components to be implemented on developing product lines. Worked with manufacturing teams to implement improvements to the safety and reliability of current product test equipment.  <b>GE Aviation</b> , Lynn, MA <b>Co-op</b> June 2015 – December, 2015 Supported Logistics Quality Leader to maintain quality control and special quality processes within Lynn logistics. Worked with Cell Leaders to implement new processes to increase productivity while maintaining a high level of safety and quality. Increased the efficiency and accuracy of pre-existing metric tracking.  <b>Honors Program at RIT, Rochester Institute of Technology</b> , Rochester, NY <b>Student Worker</b> September 2013 – Present Assist program Director and Assistant Director. Complete monthly procurement card log. Maintain monthly expenditure tracking reports.  <b>Higher Education Opportunities Program, RIT</b> , Rochester, NY <b>Academic Tutor</b> October 2014 – May 2015 Provided academic assistance to members of RIT's HEOP program in various engineering courses, such as Statics, Strength of Materials, and Circuits.	
<b>SKILLS</b>	<b>Software:</b> Autodesk Inventor, Solidworks, PTC Creo Parametric, MATLAB, Microsoft Office, Arduino IDE, CorelDraw, basic ANSYS.  <b>Hardware:</b> Microcontrollers, computer hardware components, electrical soldering, laser cutter/engraver, band saw, lathe, end mill, drill press.	
<b>ACTIVITIES</b>	Tau Beta Pi Honors Engineering Society RIT Aero Design Club <ul style="list-style-type: none"><li>Treasurer April 2014 – Present</li></ul> ASME at RIT <ul style="list-style-type: none"><li>Autonomous Quadcopter Project Lead Nov. 2014 – May 2015</li></ul> Honors Program at RIT <ul style="list-style-type: none"><li>Orientation Mentor Fall 2014, 2015, 2016</li><li>Service Committee Chair April 2014 – May 2015</li></ul>	