

# BRADY HRABOVSKY

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<b>OBJECTIVE</b>	To apply and further my knowledge of Mechanical Engineering theory and design through full time employment, available beginning June 2018	
<b>EDUCATION</b>	<b>ROCHESTER INSTITUTE OF TECHNOLOGY</b> , Rochester, NY BS/MEng in Mechanical Engineering, expected May 2018 Minor in Electrical Engineering GPA: 3.88/4.0 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> , Bothell, WA <b>Mechanical Engineer Intern</b> June 2017 – August 2017 Provide design support for infrared counter measure applications, including mechanical aperture design as well as electronics selection. Additionally, provide design and analysis support for contract proposal.  <b>Lockheed Martin Corporation</b> , Syracuse, NY <b>Mechanical Engineer Intern</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>Logistics 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, as well as assist in coordination of yearly social events and institution activities.	
<b>SKILLS</b>	<b>Software:</b> Autodesk Inventor, Solidworks, PTC Creo Parametric, MATLAB, Microsoft Office, Arduino IDE, CorelDraw, basic web development, basic ANSYS.  <b>Hardware:</b> Microcontrollers, computer hardware components, electrical soldering, laser cutter/engraver, band saw, lathe, end mill, drill press.	
<b>ACTIVITIES</b>	RIT Aero Design Club • Treasurer April 2014 – Present ASME at RIT • Autonomous Quadcopter Project Lead Nov. 2014 – May 2015 Honors Program at RIT • Orientation Mentor Fall, 2014 – 2017	