

**Eitan Lees**  
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## EDUCATION

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Florida State University, Tallahassee, FL PhD in Scientific Computing	2015-Present 4.00 / 4.00
Miami University of Ohio, Oxford, OH Master of Science in Physics	2013-2015 4.00 / 4.00
Appalachian State University, Boone, NC Bachelor of Science in Applied Physics	May 2013 3.38 / 4.00

## RESEARCH

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<b>Research Assistant</b> <i>Corrosion of Metal</i> <i>Florida State University, Tallahassee, FL</i> <ul style="list-style-type: none"><li>Developed a non-local model of pitting corrosion of metals</li></ul>	2015-Present
<b>Research Assistant</b> <i>Miami Quantum Optics Group</i> <i>Miami University of Ohio, Oxford, OH</i> <ul style="list-style-type: none"><li>Developed software to model the dynamics of Rydberg Atoms.</li><li>Worked with quantum Monte Carlo Algorithms to study open quantum systems.</li><li>Utilized advanced quantum software packages to model dipole-dipole interaction.</li></ul>	2013-2015
<b>Research Assistant</b> <i>Appstate Experimental Surface Physics Group</i> <i>Appalachian State University, Boone, NC</i> <ul style="list-style-type: none"><li>Developed a technique for the characterization of organic solar cell morphology.</li><li>Build a lamp apparatus to test the efficiencies of solar cells.</li><li>Developed a method for spin coated organic solar cell synthesis.</li></ul>	2011-2013

## WORK

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<b>Instructional Assistant</b> <i>Department of Scientific Computing</i> <i>Florida State University, Tallahassee, FL</i> <ul style="list-style-type: none"><li>Served as an assistant for an Excel course lab section</li></ul>	Fall 2015
<b>Instructional Assistant</b> <i>Department of Physics</i> <i>Miami University of Ohio, Oxford, OH</i> <ul style="list-style-type: none"><li>Served as instructor for two introductory level physics laboratories.</li><li>Graded the classwork of an introductory astronomy class.</li></ul>	2013 - 2015 Spring 2013
<b>Instructional Assistant</b> <i>Department of Physics and Astronomy</i> <i>Appalachian State University, Boone, NC</i> <ul style="list-style-type: none"><li>Served as instructor assistant for a computational physics class.</li><li>Graded the classwork of a computational physics class.</li></ul>	Fall 2012 Fall 2012

**PRESENTATIONS**

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**Geometry dependent suppression of collective  
quantum jumps in Rydberg atoms**

June 8-12, 2015

*APS Division of Atomic, Molecular and Optical Physics, Columbus, OH*

**Characterization of organic solar cell morphology**

March 18-22, 2013

*APS March Meeting, Baltimore, MD*

**GRANTS**

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North Carolina Space Grant [\$5000]

June 2012

**RELEVANT SKILLS**

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C, Python, R, Mathematica, Quantum Mechanics, Electricity and Magnetism, Microscopy, L<sup>A</sup>T<sub>E</sub>X, Linux