

# Litao Zhao

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<b>Education</b>	<b>Rensselaer Polytechnic Institute (RPI) - Troy, NY</b> <ul style="list-style-type: none"><li>B.S. Materials Engineering</li><li>Honors: Dean's Honor List, Rensselaer Leadership Award</li></ul>	May 2017 GPA: 3.88
<b>Work Experience</b>	<b>ThermoAura, Colonie, NY</b> <ul style="list-style-type: none"><li>Benchmarked competitors in terms of particle size, figure of merit, Z, and price</li><li>Characterized seebeck, electrical resistance, composition, and flexural strength of Bismuth Telluride using an ULVAC ZEM, XRF, and three-point bend test</li><li>Discovered a high potential, low-cost alternate precursor chemistry for nanoparticle synthesis, and started scaling up the synthesis</li></ul> <b>Flushing Imaging Center, Flushing, NY</b> <ul style="list-style-type: none"><li>Designed and implemented a secure reporting system to deliver patient reports to a network of referring physicians based upon SFTP protocol</li><li>Installed system onto partnering physicians' computer</li></ul>	Feb 2016 - Aug 2016  Summer 2015
<b>Projects</b>	<b>StepCharge, SASE InnoService Design Competition, RPI</b> <ul style="list-style-type: none"><li>Managed a 6-person group on the design, build, and testing process of a walking powered, phone charging system for a year-long design competition</li><li>Selected as finalist by corporate sponsors at Society of Asian Scientists and Engineers Regional Conference competition</li></ul> <b>Introduction to Engineering Design, RPI</b> <ul style="list-style-type: none"><li>Designed circuitry and programmed PID controller for line following robot</li><li>Placed first in class section competition</li></ul>	2014 - 2015  Fall 2015
<b>Leadership Experience</b>	<b>Co-President of Society of Asian Scientists and Engineers (SASE), RPI</b> <ul style="list-style-type: none"><li>Advanced from Freshman Representative to Vice President to Co-President</li><li>Spearheaded ventures into corporate sponsorship and obtained \$1000</li><li>Led a committee to implement SASE Mentor Program with over 100 members</li><li>Organized club's first campus-wide event, SASE Cultural Night, through collaboration with on-campus dining services</li></ul> Tau Beta Pi Engineering Honor Society Alpha Sigma Mu Materials Engineering Honor Society	2016 - Present  2016 - Present 2016 - Present
<b>Additional Skills</b>	<i>CAD:</i> NX, Solidworks <i>Programming:</i> in C++, Python, C, HTML/CSS, Javascript <i>Language:</i> Fluent in Mandarin Chinese <i>Hobbies:</i> Arduino, Violin, Swimming, Guitar	