

EDUCATION	<b>Massachusetts Institute of Technology, Cambridge, MA</b>	May '17
	Masters in Mechanical Engineering, Sloan Automotive Lab – <b>4.4 GPA</b>	
	<b>Georgia Institute of Technology, Atlanta, GA</b>	July '15
	BS in Mechanical Engineering, Cooperative Plan, Highest Honors – <b>3.7 GPA</b>	
WORK EXPERIENCE	<b>Sloan Automotive Lab, MIT</b>	
	Graduate Research Assistant, Cambridge, MA	September '15 – Present
	<ul style="list-style-type: none"> <li>Working under Dr. Tian Tian on both the simulation and experimental side of analyzing friction in the piston assembly of an internal combustion engine using a prototype Floating Liner Engine; providing industry sponsors with experimentally proven simulation tools for design</li> <li>Developing new concepts of piston skirt profiles to help reduce oil consumption as well as reduce friction for performance engines</li> <li>Advising and mentoring an undergraduate researcher who assists with performing experiments</li> </ul>	
	<b>BMW Group</b>	
	Product Integration Intern, Munich, Germany	January '14 – July '14
	<ul style="list-style-type: none"> <li>Gained experience in the development process of doors and supported the product integration team for the new BMW X3 Series</li> <li>Coordinated the use of assembly concepts and standards between the plant in Spartanburg, SC and the vehicle development teams</li> </ul>	
	<b>MedShape Inc., Research and Development Department</b>	
	Associate, Co-op Program, Atlanta, GA	Fall '12, Summer '13
	<ul style="list-style-type: none"> <li>Gained experience in Research &amp; Development of proof-of-concept and FDA submission for new ECLIPSE ® Soft Tissue Anchor. Participated in the commercial release of a new surgical procedure pack. ECLIPSE ® won the Silver Award for Medical Design Excellence</li> <li>Performed in manufacturing and quality testing of ECLIPSE ® in support of it's commercialization</li> </ul>	
SKILLS	<b>Technical Proficiencies</b>	
	Solidworks    CNC Lathe & Mill    CATIA V5    HSMWorks    MATLAB    Shop Tools    VBA	
	<b>Communicative Proficiencies</b>	
	<ul style="list-style-type: none"> <li>Proven competence in technical writing and delivering effective presentations</li> <li>Fluent in English, Hindi and German (completed 3 semesters at Goethe Institut)</li> </ul>	
LEADERSHIP EXPERIENCE	<b>MIT Hyperloop</b>	January '16 – Present
	<i>Member, Aero-structures / Frame team</i> <ul style="list-style-type: none"> <li>Part of a 30 member team that won the design competition for SpaceX and Elon Musk's concept of Hyperloop</li> <li>Performed analysis using FEA tools in Solidworks for the pod frame</li> <li>Manufactured a mold and made a carbon fiber shell for the pod using the resin infusion technique</li> </ul>	
	<b>Georgia Tech Motorsports</b>	
	<i>Chief Engineer, F2015</i>	August '11 – May '15
	<ul style="list-style-type: none"> <li>Principal Leader of the Formula SAE team at Georgia Tech. Led the team to a Top 15 finish in the Design category amongst 120 teams</li> <li>Oversaw the development of the entire race car and managed a team of over 45 students divided into 7 different sub-systems</li> <li>Aided the team members go from part design to analysis to manufacturing and testing for over 1000 individual parts</li> <li>Assisted team with the design process: reviewed, improved designs and integrated all the sub-systems including a top level analysis on vehicle</li> </ul>	
	<i>Uprights and Hubs Lead, Suspension Subsystem</i>	May '13 – April '14
	<ul style="list-style-type: none"> <li>Designed and developed uprights and hubs for a racecar and manufactured them using a CNC mill/lathe. Iterated through the design to reduce weight and improve stiffness.</li> </ul>	
	<b>Mentor Jackets</b>	August '15 – Present
	<i>Advisor</i>	
	<ul style="list-style-type: none"> <li>Guiding 2 students at Georgia Tech and helping them build their resumes and network with leaders in their respective fields</li> </ul>	