

EDUCATION	Massachusetts Institute of Technology, Cambridge, MA	May '17
	Masters in Mechanical Engineering, Sloan Automotive Lab – 4.4 GPA	
	Georgia Institute of Technology, Atlanta, GA	July '15
	BS in Mechanical Engineering and Minor in Material Science and Engineering – 3.7 GPA	
WORK EXPERIENCE	Sloan Automotive Lab, MIT	
	Graduate Research Assistant, Cambridge, MA	September '15 – Present
	<ul style="list-style-type: none"> 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 Developing new concepts of piston skirt profiles to help reduce oil consumption as well as reduce friction for performance engines Advising and mentoring an undergraduate researcher who assists with performing experiments 	
	BMW Group	
	Product Integration Intern, Munich, Germany	January '14 – July '14
	<ul style="list-style-type: none"> Gained experience in the development process of doors and supported the product integration team for the new BMW X3 Series Coordinated the use of assembly concepts and standards between the plant in Spartanburg, SC and the vehicle development teams 	
	MedShape Inc., Research and Development Department	
	Associate, Co-op Program, Atlanta, GA	Fall '12, Summer '13
	<ul style="list-style-type: none"> Gained experience in Research & 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 Responsible for manufacturing and quality testing of ECLIPSE® in support of it's commercialization 	
SKILLS	Technical Proficiencies	
	Solidworks CNC Lathe, Mill CATIA V5 HSMWorks MATLAB Waterjet VBA	
	Communicative Proficiencies	
PROFESSIONAL EXPERIENCE	<ul style="list-style-type: none"> Proven competence in technical writing and delivering effective presentations. Fluent in English, German and Hindi Worked in Germany for 6 months and completed 3 semesters at Goethe Institut. 	
	MIT Hyperloop	January '16 – Present
	<i>Member, Aero-structures / Frame team</i>	
	<ul style="list-style-type: none"> Part of a 30 member team that won the design competition for SpaceX and Elon Musk's concept of Hyperloop Performed analysis using FEA tools in Solidworks for the pod frame Manufactured a mold and made a carbon fiber shell for the pod using the resin infusion technique 	
	Georgia Tech Motorsports	
	<i>Chief Engineer, F2015</i>	August '11 – May '15
	<ul style="list-style-type: none"> 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 Responsible for developing the entire race car and managing a team of over 45 students divided into 7 different sub-systems Helped the team members go from part design to analysis to manufacturing and testing for over 1000 individual parts Assisted team with the design process: reviewed, improved designs and integrated all the sub-systems including a top level analysis on vehicle 	
	<i>Uprights and Hubs Lead, Suspension Subsystem</i>	May '13 – April '14
	<ul style="list-style-type: none"> 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. 	
	Mentor Jackets	August '15 – Present
	Guiding 2 students at Georgia Tech and helping them build their resumes and network with leaders in their respective fields	