Rishabh A. Shah

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Education	**University of Michigan**	**Ann Arbor, MI**
	Bachelor of Science in Mechanical Engineering	*April 2020*

Project Experience

University of Michigan — **Ann Arbor, MI**
Michigan Hyperloop — *Sept 2017 — present*
- Conceptualized and designed parts as a member of the braking subsystem
- Competing in the 2018 SpaceX Hyperloop Pod Competition

University of Michigan — **Ann Arbor, MI**
Design and Manufacturing I — *Sept 2017 — Dec 2017*
- Engineered a Robotic Machine Player (RMP) to compete in a game at the end of the semester utilizing Solidworks to create CAD models and engineering drawings
- Utilized mills, lathes, and waterjets to manufacture parts in house

University of Michigan — **Ann Arbor, MI**
Solar Energy — *Jan 2017 — April 2017*
- Fabricated and programmed a solar tracking device using an Arduino UNO
- Demonstrated successful tracking ability resulting in maximum power production

Relevant Experience

Altair Engineering — **Troy, MI**
Applications Engineering Intern — *May 2018 — Aug 2018*
- Assisted Support Team with solving customer needs by creating tutorials and documentation
- Created a design study of an engine cradle involving normal modes and durability analysis
- Collaborated with other interns to create a Ball Shooting device to highlight Altair Software

Osram-Sylvania — **Wilmington, MA**
Quality Assurance Intern — *June 2016 — Aug 2016*
- Implemented new QA Lab software for the Americas Division Quality Labs, creating a new standard report format and a streamlined work flow
- Assisted in electrical QA testing of LED Drivers in a lab environment to ensure performance specifications were met

Additional Experience

Bivouac — **Ann Arbor, MI**
Sales Associate — *Sept 2016 — present*
- Aid customers to find products at an outdoor gear store that suit individual needs

Leadership Activities

Boy Scouts of America, Troop 87 — **North Andover, MA**
Eagle Scout — *Nov 2015*
- Organized and executed a service project in which ten benches and two chairs were made

Skills

Hardware: 3D printers, band saws, drill presses, function generators, laser cutters, lathes, mills, oscilloscopes, power supplies, soldering irons, waterjets

Software: Adobe Lightroom, Adobe Photoshop, Bash, C++, Github, HyperMesh, Inspire, LaTeX, MS Excel, MS PowerPoint, Matlab, NX, OptiStruct, Python, Solidworks

Hobbies

Backpacking, climbing, photography, skiing