

# ROHAN JADEJA

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## Education

<b>Masters of Science in Product design and Manufacturing</b> College of Engineering, Boston University	May 2019
<b>Bachelors of Engineering in Electrical and Electronics</b> College of Engineering, Indus University	May 2017

## Work Experience

<b>Lead Systems Engineer</b> Umbulizer, Boston	Feb 2018 - Present
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- Built and led the end-to-end development of a reliable, low-cost, and portable device that can provide continuous ventilation to patients in resource-limited settings.
- Drove the technology strategy in architectural design, testing, and validation in electrical, mechanical system and software fields across all products/projects.
- Built teams of talented multidisciplinary engineers to tackle problems and deliver effective solutions.
- Established relationships with suppliers and contract manufacturers, optimized and maintained supply chains, revamping engineering as required.
- Conducted animal and human clinical trials, collaborating with medical professionals. Lead documentation efforts and obtained patents and FDA approval.

<b>Research Fellow &amp; Consultant Engineer</b> Biomedical Optics Lab, Boston University	Jan 2018 - Oct 2021
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- Translated concepts into POC design and deliver the prototypes for clinical trials and FDA certification.
- Worked for NIH grants and collaboration projects with BMC, BI, VA and BU.
- Led end to end development for optical spectroscopy devices and multiple 510k fda Class 2 optical probes and systems.
- Recruited engineering students to work on multidisciplinary research projects.
- Mentored engineers and student teams in design and engineering for real world applications.
- Created, introduced, and taught a Hands-on engineering course, Ek131 is now treated as mandatory for all engineering students at BU.

<b>Machine Design Engineer</b> Fraunhofer CMI, Boston	Jan 2019 – May 2019
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- Designed and developed and maintained custom, high precision automation solutions for customers in accordance with GD&T and GMP.
- Conducted structural and thermal FEA for critical machine components.
- Implemented electromechanical designs for the food and packaging industry, conforming to CE and ISO standards.
- Contributed in product design, feasibility analysis, hot fixes and fine tuning.