

ANDREW HOLMES

PRODUCT DESIGNER

Onshape / UX Design (Jun - Aug 2018)

- Usability testing with Onshape customers to test new and existing features in browser-based CAD application
- Designed workflows, Sketch mockups, UI specifications, and determined edge cases for high priority projects regarding Data Management, Drawings, and in-context Assembly editing
- Managed projects in agile sprint structure, coordinating deadlines and deliverables with developers

Boston Scientific / Product Design Capstone (Sept 2018 - Present)

- Senior capstone team exploring designs for next generation disposable endoscopes
- Conducting user-research, creating personas, and mapping the endoscopy procedure to understand user pain points.

Shop Drop Roll LLC / Co-Founder (Mar 2017 - Present)

- Designed wheelchair attachment for holding bags that can be deployed, allowing user to store and access items on the back of their chair without assistance
- Co-designed with and for older adult as a solution that would match their needs and lifestyle and custom building for early stage customers
- Featured in TEDx talk on user-centered design, winner of \$2500 from Northeast Arc Tank and \$2500 from Babson BETA Challenge, provisionally patented

Textile Mill Production Redesign / Designer (Jun- Aug 2017)

- Resolved largest bottleneck in textile mill production line, redesigning chute to transfer 200 pound bundles of fabric from upstairs to downstairs without using a freight elevator
- Co-designed with management and factory workers to improve communication between floors and reduce required effort to load fabric into chute, creating over 30 test cases and prototypes

Kinetic Light Ramp / Designer (Jan - May 2016)

- Managed team of twelve people designing and building 24' by 24' ramp set piece for performance by dancers who use wheelchairs
- Conducted co-design with clients and prototyped ramps for testing choreography and surface material
- Fabricated full prototype on CNC Shopbot and final design has been used in performances on tour across the U.S.

PORTFOLIO

andrewholmes.design

CONTACT

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Olin College of Engineering

B.S. Mechanical Engineering
3.76 GPA

Coursework

Software Design
Integrated Product Design
Engineering for Humanity
User-Oriented Design
Mechanical Design

Skills

Sketch
Python
Usability testing
Persona development
Illustrator
Photoshop
SOLIDWORKS
Onshape
Matlab
Shopbot
3D printing