

Ben Brown

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EDUCATION

Master of Science in Mechanical Engineering

Columbia University • New York, NY • 2021-Present

- Relevant Courses: Digital Manufacturing, Product Design for Manufacturing

Bachelor of Science in Bioengineering

Northeastern University • Boston, MA • 2015-2020

- Concentration: Biomechanics
- Minor: Entrepreneurship
- GPA: 3.7 - Magna Cum Laude
- Peer Mentor for first-year engineering students

EXPERIENCE

Mechanical Engineer

Mar 2021-Present, Needham, MA

SharkNinja

- Rapidly designed and prototyped a variety of consumer product concepts, and utilized consumer feedback to quickly adjust and update designs
- Developed and launched the number one selling hand vacuum SKU in Japan
- Led and supported new product development projects from ideation through mass production by providing cross-functional support to resolve product, quality, manufacturing, and customer challenges
- Conducted market research to identify consumer needs and market gaps, and analyze the competitive landscape
- Evaluated product optimization and improvement opportunities for cost and consumer impact

Consulting Intern

Jan 2019-Sep 2020, Chicago, IL

3Degrees

- Worked with clients to integrate 3D printing into their organization through part redesign, case study development, market research, and cost-benefit analyses
- Aided in bringing a new additive manufacturing quality management software system to market
- Designed multiple parts optimized for additive manufacturing (lower part cost, light-weighting, generative design)

Jan 2018-Jun 2018, Marlborough, MA

Mechanical Engineering Intern

GE Healthcare Life Sciences

- Created models and drawings for injection molded parts
- Designed prototype parts for 3D printing
- Fabricated detailed drawings per ASME Y14.5M standards
- Worked with document and part control through an ISO:9001 quality management and EPDM system
- Planned and executed verification testing

AWARDS & CERTIFICATIONS

- Certified SolidWorks Associate • 2016
- Northeastern Entrepreneurship Club Startup Challenge • 3rd Place
- Patent for design of an apparatus to minimize “dead leg” in a bioreactor system • Filed by GE Healthcare Life Sciences
- Eagle Scout

SKILLS

- | | |
|--------------|--------------------------|
| • SolidWorks | • Rapid Prototyping |
| • MATLAB | • Additive Manufacturing |
| • C++ | • Project Management |
| • JavaScript | • Data Visualization |
| • Excel VBA | • Public Speaking |

INTERESTS

- Hiked a glacier in Iceland
- Collected over 1,500 books for the Bridge of Books Foundation
- Amateur music producer