

Max Bock-Aronson

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A design engineering leader with a track record of developing technical solutions for tangible impact. Max's work has been featured in the New York Times and on the cover of TIME Magazine as a Best Invention of 2020.

EDUCATION

- Harvard University - Master of Design Engineering Aug '23 - May '25
- Designed and prototyped two interventions for addiction recovery, synthesizing coursework in behavioral science, systems theory, and electronics into human-centered physical computing.
 - Received the MDE Fellowship Award for outstanding first-year coursework
 - Appointed Teaching Fellow for MDE core studio and Graduate Maker Fellow at REEF Makerspace
- University of Wisconsin - Madison Sept '08 - Dec '13
- B.S Mechanical Engineering, Certificate of International Engineering, 2x Dean's Honor List
 - 2X International Engineering Studies Program (IESP) participant
- Transcend UW | Founder & President July '12 - Dec '13
- Founded a cross-campus student innovation org that awards \$50000+ /year in prize money
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EXPERIENCE (11 years)

- Bad Studio | Principal, Founder Oct '25 - Present
- Led mechanism design for an electromechanical handheld device for L'Oréal, from concept through production-ready prototypes (Solidworks, 3D printing, CNC machining)
 - Designed physical interactive installations for Migrant Justice, translating labor rights advocacy into embodied public experiences
- Delve | Senior II Design Engineer Nov '21 - July '23
- Technical lead for two >\$500K programs, including an electromechanical handheld device targeting a market launch in Q4 '26; Owned tolerance analysis, GD&T, and FEA activities
 - Mentored and managed two ME co-ops, providing technical direction and performance feedback
 - Won \$50k in new contracts through technical proposal writing and program scoping
- Breathe99 PBC | CEO, Co-founder (*concurrent with Worrell*) April '18 - Dec '22
- Grew from \$0 to \$2.4M in revenue and +28,000 units shipped in under two years
 - Designed and launched B2 Mask (US2021/0308493A1) through DFM, vendor management, and 3PL, earning a TIME Magazine Best Invention of 2020 cover feature
 - Raised \$205K, including \$129K in philanthropic capital to fund initial development
 - Managed a distributed, international team of 6 employees throughout the pandemic
- Worrell Design | Sr. Mechanical Design Engineer May '15 - Mar '20
- Led development programs, including Class II/III FDA-regulated medical devices (ISO 13485), including a transcatheter-based solution currently in clinical trials
 - Conducted technical V&V activities supporting in-vitro and in-vivo animal studies
 - Translated Class A Industrial Designs into functional prototypes using Solidworks/CREO CAD

SKILLS & KNOWLEDGE

Expert	Solidworks 2D/3D CAD, Surfacing, Injection molding DFM
Proficient	Mechanism design, design for manufacturing (DFM - overmolding, CNC machining, extrusion, thermoforming, laser cutting), design for assembly (DFA), 3D printing (FDM, SLA, MJF, CLIP), finite element analysis (FEA), tolerance stack analysis, hand fabrication, machine shop, mixed research methods (qualitative, observational), Keyshot rendering, public speaking
Competent	Topology optimization, electronics (EE) breadboarding, Fusion360, systems mapping, Figma UI/UX wireframing, FMEA

AWARDS & RECOGNITION

Harvard Presidents Innovation Challenge Semifinalist	2025
Harvard MDE Fellowship Scholarship recipient, \$18000	2024
Harvard GSD Community Service Fellowship Fellowship, \$8000	2024
TIME Best Inventions of 2020 Awardee, Cover feature	2020
MIT Education Designshop Tied-1st Place	2014
UW-Madison Innovation Days Competition 2nd Place, \$8000	2014

PRESS

New York Times A Clunky Mask May Be the Answer to Airborne Disease and N95 Waste	2021
New York Times Want to Buy a Scrunchie Mask? Great. But Forget About That N95	2021

PATENTS & INTELLECTUAL PROPERTY

12 granted patents across medical devices, consumer products, and respirator technology.

Selection includes: Respirator mask (US20210308493A1, US20200108218A1); Minimally invasive heart repair (US20220225979A1); Transverse handle assembly valve (US9151405B2, US9816641B2); Medication container (USD761551S1, USD804806S1, USD772733S1)

VOLUNTEERISM

YouthLink Social Impact Fellow	June '24 - Aug '24
• Led efforts to create and test STEM, design, and making-oriented programs for homeless youth	
• Secured >\$5K worth of donations to build initial makerspace capabilities (3DP, laser-cutting)	