



LAUREN SCOTT

ARTIST | ENGINEER | EDUCATOR
420 EAST 80TH STREET | NEW YORK, NEW YORK

OBJECTIVE

Use design to increase accessibility.

SKILLS

Basic Industrial Sewing.
Garment construction.
SolidWorks/Autodesk
Inventor Expert. Design for manufacturing including, steel and aluminum welding, machining (CNC and by hand), injection molding, braiding, extrusion, 3-D printing, screen printing, woodworking. I am familiar with CE mark, FDA, and ISO9001 quality standards. I speak intermediate Spanish. I have a talent for using metaphors to explain difficult concepts for all to understand.

EXPERIENCE

OWNER • MPOSSIBLE.DESIGN • BALTIMORE, MD/BROOKLYN, NY • SEPTEMBER 2017 – PRESENT

Mpossible is my contract mechanical design engineering business. I've done Logo Design and Creation using hand-sketch and Adobe illustrator, Website design and maintenance with Weebly, partnership creation with the University of Maryland, archival research using microfilm, hiring-management-firing/laying off of 6 employees, art proposal creation-submission, project management, and engineering design.

OWNER • LAURENPSCOTT'S CREATIVE WORKSHOP • PANAMA CITY, PANAMA • SEPTEMBER 2016 – AUGUST 2017

Disenaba y planeaba la obra. Encontraba, compraba, y transportaba madera pino de la tienda a mi taller.
Construye de mano: dos burros de madera, una mesa pa mi sierra, una mesa de trabajo con almacenamiento, una cama soltera, una cama queen y un sofa que ya queda con la duena de mi edificio. Pintelos todos con pinta spray y cobre el sofa con telas lindas. El sofa fue construido de pallets reciclados.

EXHIBIT DESIGNER • THE EXPLORATORIUM • SAN FRANCISCO, CA FEBRUARY 2015 – FEBRUARY 2016

Developed and built two interactive science museum exhibits every six months, totaling in 4 exhibits in one year.
Sourced components and managed contract fabricators.
All exhibits are now installed in Kayseri Science Center, Turkey.



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R&D ENGINEER • MEDTRONIC VASCULAR • SANTA ROSA, CA JANUARY 2012 – FEBRUARY 2015

Led the R&D team for the FDA approved Tracelet compression band, currently in production, 20k units/year expected

Created prototypes and conducted field research, sourced quick turn manufacturers in Asia.

Researched and designed over 30 components for two FDA approved medical devices currently in production with over 2M units produced.

Managed component quality assurance plans using statistical analysis with contract manufacturers in US and Costa Rica.

EDUCATION

B.S. MECHANICAL ENGINEERING • 2011 • UNIVERSITY OF MICHIGAN
GPA 3.0

B.S. MATHEMATICS • 2010 • SPELMAN COLLEGE
GPA 3.3

Public Key Cryptosystems and Three Key Exchanges. BS Thesis. 2009

PRESENTATIONS, PAPERS, PUBLICATIONS

Intersecting R&D and Quality: An Improved Tolerance Stack-Up.

Medtronic Science and Technology Conference.

Minneapolis. 2014

CFD Analysis Improved Performance of Export Aspiration Catheter.

Medtronic Science and Technology Conference. Minneapolis.
2013



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Leveraging Analysis throughout the Product Cycle. Medtronic
Modeling Symposium. Minneapolis. 2013

A Lucas Sequence Key Exchange. Proceedings of the Walton
Symposium. Morehouse College. Atlanta. 2009

Public Key Cryptosystems. Mathematics Association of America
Southeastern Regional Conference. The Citadel.
Charleston. 2009



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