

# IAN SHAIN

## CONTACT

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## EDUCATION

### UC Berkeley

**B.S. Mechanical Engineering**  
Concentrations in Human-Centered  
Design & Entrepreneurship

## SKILLS

### IDEATION

User needs assessment & research ·  
Brainstorming · Product roadmapping

### DESIGN

DFM · CMF (Color, Material, Finish) ·  
Wireframing · UI/UX Design · Adobe  
Illustrator · Packaging · SolidWorks ·  
Fusion 360 · AutoCAD

### MATERIALS & FABRICATION

High-volume production · Soft Goods ·  
Injection, Compression, Insert, & Two-  
Shot Molding · Thermoforming ·  
Elastomers · Plastics · Sheet Metal ·  
CNC & Manual Machining · Rapid  
Prototyping · Sewing · Soldering ·  
Laser Cutting

### PROJECT MANAGEMENT

Schedule management · Risk  
management · Budget planning ·  
Vendor relations · PLM

### TESTING & ANALYSIS

User Testing · A/B Testing · GD&T · FEA  
· MATLAB · DoE · Cpk & FAI Reports

### OTHER

Eagle Scout · American/Irish Dual  
Citizen · Photography · Woodworking

## WORK

### Halo Neuroscience *San Francisco, CA*

*Apr 2017 -  
Present*

#### Technical Product Manager - Medical Devices

- Managed next-generation medical device product, working with stakeholders at every level (IC through executive) across HW, SW, Design, Research, Packaging, Marketing, and Clinical teams.
- Led numerous engineering builds at overseas manufacturers (China, Taiwan) and defined engineering reliability specifications. Co-led product branding development and user testing.

#### NPI Engineering Program Manager - Consumer Devices

- Oversaw end-to-end development and high-volume production of rearchitected, second-generation product, Halo Sport 2.
- Delivered a 39% BOM cost reduction from the first-gen product, while adding functionality and improving the user experience.

#### Senior Product Design Engineer - Wearable Biotech

- Oversaw design, testing, integration, and validation of all mechanical and packing components of the products (280 component BOM) from concept to launch.
- Operated as the company's sole Product Design Engineer and managed Halo's external design and manufacturing contractors.
- Developed patented electrode design that improved the primary user experience metric and reduced part cost, manufacturing lead time, and tooling costs all by over 60%.

### Shapeable *Oakland, CA*

*Jul 2016 -  
Apr 2017*

#### Mechanical Design Engineer (Contract)

- Modeled and fabricated several 'looks like/works like' prototypes for clients looking to show proof of concept and raise investment
- Projects spanned UAV, IoT, automotive, housewares, and consumer electronics industries.

### Kanga Kare *Berkeley, CA*

*Aug 2013 -  
May 2014*

#### Co-founder & Product Lead

- Developed a low-cost, incubating garment aimed at preventing premature infant mortality in developing countries.
- Finalist, Big Ideas @ Berkeley · Selected Presenter, Clinton Global Initiative, University · Regional Finalist, Global Social Venture Competition · Social Venture Grant Recipient, Berkeley CET.

### Internships *Various Locations*

*2012 - 2016*

**Cooper Perkins** (*Engineering consulting*), **Proteus Digital Health** (*Wearable biotech*), **Autodesk** (*Software UI/UX*), and **Edwards Lifesciences** (*Medical devices*)