

HEEJU KIM

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SKILLS

Industrial Design
Rapid Prototyping
Molding/Casting
Wood/Metal working
2D&3D Fabrication
Design for Mass Manufacturing
Design Research

TOOLS

Sketching
Adobe series
Rhino
Solidworks
AutoCAD
Keyshot
Procreate

AWARDS

2019 Index Project Award, Winner
2019 Fast company, Finalist
2019 AE50 Award, Winner
2018 Braun Prize, Highly commended
2017 DRIVENxDESIGN, Gold
2017 IDSA Design Award, Silver
2017 CORE77 Design Award, Notable
2017 iF Design Talanted Award, Winner
2016 Helen Hamlyn Design Award, Winner

EXHIBITIONS

2023 EMF, London, UK
2018 Mirakan Museum, Tokyo, Japan
2017 British Council showcase, Shanghai, China
2017 HAP, Hiroshima, Japan
2016 Global Grad Show, Dubai, UAE
2016 London Design Festival, London, UK
2016 RCA Graduate Show, London, UK

PUBLICATIONS

Heeju K. Zekun C. Kunihiro K. et al. (2019).
2019 CHI Conference on Human Factors in
Computing Systems.

“Kirigami Keyboard: Inkjet Printable Paper
Interface with Kirigami Structure Presenting
Kinesthetic Feedback”

Zekun C, Tung D, Koya N, Heeju K, et al. (2020).
2020 CHI Conference on Human Factors in
Computing Systems.

“Demonstrating Kirigami Haptic Swatches for
Cut-and-Fold Haptic Feedback Mechanisms”

PATENTS

ANIK - China | Dehytray - U.S
Electric Toothbrush - U.S

EDUCATION

**Royal College of Art,
London, UK, 2013-16**
M.A in Design Products

**Ewha Womens University,
Seoul, South Korea, 2008-13**
B.A in Fine Art & Spatial Design

WORK EXPERIENCE

Johnson & Jonson, Med tech — Sr. Industrial Designer

May '23 - Present, Santa Clara, CA

- Designed cutting-edge medical robotics, enhancing user experience through form factors, CMF, and ergonomics. Worked on touchpoints for robotic arms and the arm itself, developing essential components such as scopes, instruments, sheaths, and feed rollers for robotic surgery.
- Collaborated closely with engineers to understand mechanical challenges and align industrial design needs within complex packaging constraints.
- Ensured the design language, including form and CMF, effectively conveys Johnson & Johnson's brand identity of credibility, safety, precision, and premium quality.

IDEO

Sr.Industrial Designer

Feb '22 - Dec '23

- Led multiple projects as a key industrial designer, delivering exceptional outcomes in consumer products, furniture, medical, and other sectors.
- Collaborated with clients to understand their business needs and proposed innovative solutions that aligned with their goals and objectives.

Industrial Designer

Nov '19 - Feb '22, Chicago, IL,

- Translated insights into tangible product solutions by leveraging expertise in form development, CMF, and prototyping.
- Applied a human-centered design approach across diverse industries, crafting holistic solutions that effectively addressed user needs.

Purdue University, Industrial Design department — Visiting Professor/Scholar

Aug '17 - Aug '19, West Lafatette, IN

- Lectured a course on UX design process in the context of industrial design.
- Conducted practical training in 3D tools such as Rhino and KeyShot.

Freelance Industrial Designer

Aug '17 - Aug '19

- JUA Technology (www.juatechnology.com) — Lead Industrial Designer
 - Developed Dehytray, a smart agricultural product, and launched it into mass production.
- AccuPS (www.accups.com) — Lead Industrial Designer
 - Redesigned VR game controller and tracker to enhance ergonomics and user experience.

The University of Tokyo, Erato Lab — Visiting Researcher

Nov '17-Dec '17, Aug '18 - Mar '19, Tokyo, Japan,

- Developed the lab's material technologies into consumer products
 - Kirigami keyboard: IoT product research on rapid prototyping with haptic feedback.
- Startup Anik has received funding from the Japan Science & Technology Agency (JST)
 - Performed market analysis for product definition, positioning, and pricing
 - Networked and collaborated with overseas manufacturers in Shenzen, China

Il-hoon Roh Design Studio — Internship

Apr '14 - Sep '14, Seoul, South Korea

- Contributed to handcraft manufacturing for Luno (Purchased by Channel, Seoul)