

Jiwon Jun is a multidisciplinary designer and researcher crafting human-centered experiences with cutting edge technology. Her practice encompasses interaction design, speculative design, and HCI research. She is currently a senior UX designer at Autodesk Research and an adjunct professor in the Design MFA program at California College of the Arts. Prior to joining Autodesk, she worked as a research designer at HP Labs for 6+ years and investigated forward-looking concepts related to 3D-Printing and Virtual Reality. Before moving to the SF Bay Area, she earned an MFA degree in Media Design at the Art Center College of Design in Pasadena and a BFA degree in Visual Communication Design at Kookmin University in South Korea.

Her projects have been featured on Fast Company, Creators Project, BuzzFeed, and ACM Interaction Magazines. Her work has been exhibited at The Museum of Arts and Design, NY and demonstrated at Symposium on Computational Fabrication 2019 and the Research Through Design Conference 2017. She is a winner of 2016 SXSW Interactive Innovation Award and awardee of 2015 Art Center Graduate Honors Fellowship.

Education

2013 - 2015 Art Center College of Design | MFA in Media Design Practices (Lab Track) | Pasadena, CA

2005 - 2010 Kookmin University | BFA in Visual Communication Design | Seoul, Korea

Professional Experience

Present **Senior UX Designer | Autodesk Research | San Francisco, CA**
Oct 2022

Present **Adjunct Professor | MFA Design | California College of the Arts | San Francisco, CA**
Jan 2021 Part-time adjunct faculty for the Master of Fine Arts in Design program. Having been co-teaching studio classes IxD and Industrial Design in 2022SP and 2021SP. Co-taught a joint summer workshop between CCA and Royal College of Art in the UK in summer of 2021.

Oct 2022 **Research Designer | HP Labs | HP Inc. | Palo Alto, CA**

Jan 2016 **3D Lab (Jan 2020 - Present)**

Designed UX of the web-based internal 3D-printing platform and generated workflow, sketches, UIs, and mock-up screens. Conducted internal user tests to evaluate the user flow and prototypes. Designed 3D fonts of labeling optimized for HP's MJF 3D-printing process in collaboration with researchers and software developers across the organization.

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Artificial Intelligence and Emerging Compute Lab (Apr 2019 - Dec 2019)

Designed 3D-printed shells for bio-inspired drones in collaboration with the Aerospace Engineering team from TU Delft University in the Netherlands. Led the research project "An Exploration of 3D-Printed Metamaterial Structures" (J. W. Jun, A. F. Siu. 2019) and demonstrated 3D-printed prototypes at Symposium of Computational Fabrication 2019. Designed 3D-printed sensor prototypes for a VR headset face gasket

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Immersive Experiences Lab (Jan 2016 - Mar 2019)

Led VR projects exploring immersive content creation and consumption. Created experiential VR prototypes using Unity and 3D scanning camera. Presented the projects at HP Labs All Employee Meeting, IEEE GEM 2018, and EDUCAUSE 2018 Advisory Council Meeting. Conducted design-oriented research project investigating customization in 3D-printing, designed 3D-printed prototypes, and planned user studies with user researchers.

Aug 2014 **Summer Intern | Future Experience Team | Harman International | Palo Alto, CA**

Jun 2014 Executed independent research projects on future-oriented wearable devices. Designed a head-mounted device and attachable speaker and created working prototypes through 3D printing and reverse engineering. The prototype of the speaker was exhibited at CES 2015.

Jun 2012 **UX Designer | Amoeba Design | Seoul, Korea**

Feb 2011 Generated strategic concepts of user-centered interfaces for multiple platforms including smartphones, tablet PCs, and smart appliances. Designed information architecture, task flow, and wireframes based on user studies. Triangulated designs with collaborations of marketing, user research, and development teams. Clients included Samsung, LG Electronics, and major mobile carriers in Korea.

Patents

2020 COMPOSITING DYNAMIC ELEMENTS FOR OBJECTS | Filled 12 Jun | Craig Peter Sayers, Ji Won Jun, Nathan Moroney, Paulo Mesquita

GRAPHICAL ELEMENT SURFACE DISPLACEMENTS BASED ON DISTANCE FUNCTIONS | Filed 29 Jan 2020 | Ji Won Jun, Nathan Moroney, Scott White

2019 LOCATION INDICATOR DEVICES | Filed 25 Sep 2019 | Amalendu Iyer, Hiroshi Horii, Ji Won Jun, Jonathan Munir Salfity, Mithra Vankipuram

LABEL PROPERTY SELECTION BASED ON PART FORMATION CHARACTERISTICS | Filed 25 Apr 2019 | Artur Sampaio, Craig Peter Sayers, Ji Won Jun, Luis Baldez, Prakash Reddy

3D DIGITAL DESIGN POSES USING PHYSICAL MODELS | Filed 18 Jul 2019 | Hiroshi Horii, Ian N Robinson, Ji Won Jun

2018 GENERATING IMAGES FOR OBJECTS | WO2020/068086 | Alex Ju, Ian N Robinson, Ji Won Jun, Mary G Baker, Rafael Ballagas

PHYSICAL CONTROLS FOR MIXING VIEWS | WO2020/018064 | Hiroshi Horii, Ji Won Jun

IMAGE MARKUPS | WO2019/245585 | Ian N Robinson, Ji Won Jun, Mary G Baker, Mithra Vankipuram

2017 IMAGE ALIGNMENTS WITH PRE-CUT SHAPES | WO2019/083551 | Alex Ju, Eric Faggin, Ji Won Jun

DISPLAYS REPRESENTATIVE OF REMOTE SUBJECTS | US20190121598A1 | Alexander Thayer, Hiroshi Horii, Ian N Robinson, Ji Won Jun, Jishang Wei, Kevin Smathers, Nelson L Chang

Publications

- 2019 Ju, Alex, Andrew Fitzhugh, Jiwon Jun, and Mary Baker. "Improving Aesthetics Through Post-Processing for 3D Printed Parts." *Electronic Imaging* 2019, no. 6 (2019): 480-1.
- Oct 2017 Jun, Ji Won. "Plant-like robots." *interactions* 24, no. 5 (2017): 88. | ACM Interactions Magazine | Visual Thinking Gallery | USA
- Jun 2017 Ryokai, Kimiko, Elena Duran, Dina Bseiso, Noura Howell, and Ji Won Jun. "Celebrating Laughter: Capturing and Sharing Tangible Representations of Laughter." (2017) | Provocations & Works in Progress | DIS 2017
- Mar 2017 *Plant-Like Robots* | Research Through Design 2017 | Proceedings | UK
- Dec 2016 *The HP Immersive Experiences Lab Jetty story* | Innovation Journal Issue 5 | USA
Co-author with Alex Thayer, Chief Experience Architect at HP
- Jan 2011 *Misconceptions About Designer* | 'G Colon' Design Culture Magazine | Korea

Exhibitions & Demos

- 2019 *An Exploration of 3D-Printed Metamaterial Structures* | Symposium on Computational Fabrication 2019 | Pittsburgh, PA
Kinetic Adornments | Non-Stick Nostalgia Y2K Retrofuturism in Contemporary Jewelry | The Museum of Arts and Design, NY
- 2017 *Plant-Like Robots* | Research Through Design 2017 | National Museum of Scotland | Edinburgh, UK
- 2016 *Plant-Like Robots* | SXSW Interactive Innovation Award Showcase | Austin, TX
- 2015 *You Light Me Up* | MDP Summer Research | Art Center College of Design | Pasadena, CA
Plant-Like Robots | MDP MFA Thesis Show | Art Center College of Design | Pasadena, CA
Data Vaporizer | Intel International Press Day | Art Center College of Design | Pasadena, CA
Bone-Conductive Speaker Sticker | Harman International | CES 2015 | Las Vegas, NV
- 2010 *Free Design* | The Beautiful Foundation's 10th Anniversary conference | Seoul, Korea
Protesters | Uppercut | Space Beam Community | Incheon, Korea
- 2009 *Free Design & Shake My Hip* | BFA Thesis show | Kookmin University | Seoul, Korea

Talks

- Jul 2022 Guest Critic | BFA Industrial Design Thesis Class | Kookmin University, South Korea

May 2019 Artist | Non-Stick Nostalgia, Museum of Arts and Design | New York, USA

Aug 2018 Panel in The Art of Immersion | IEEE Games, Entertainment, and Media 2018 | Galway, Ireland

Nov 2017 Guest Lecturer | 'Tangible UI' course taught by Prof. Kimiko Ryokai | University of California, Berkeley

Oct 2017 Guest Lecturer | MFA Design Program Open Studio Night | California College of the Arts

Mar 2017 Presenter | Research Through Design 2017 | National Museum of Scotland | Edinburgh, UK

Oct 2016 Guest Critic | MFA Design Midterm Thesis Crit | California College of the Arts

Aug 2016 Guest Presenter | 'Speculative Futures' Meetup @ Cooper | San Francisco, CA

Nov 2015 Workshop, *Thinking Through Making* | Art Center College of Design | Pasadena, CA

Awards & Honors

2016 SXSW Interactive Innovation Awards | Winner in Student Innovation | USA

2015 Art Center College of Design | Art Center Graduate Honors Fellowship | USA

2014 Art Center College of Design | Thesis Scholarship | USA

2013 Art Center College of Design | MFA Admission Scholarship | USA

2009 Adobe Design Achievement Award | Semi-Finalist in Print Communication | USA

2008 Kookmin University | Scholarship for outstanding industry-academy cooperation | Korea

2006 Cheil Ad Award | Gold Prize | Storyboard | Korea
 Cheil Ad Award | Gold Prize | Internet Banner | Korea
 Chosun Newspaper Advertising Award | Selected Prize | Storyboarding | Korea

2005 Korean Expressway Corporation Ad Contest | Selected Prize | Storyboarding | Korea
 Kookmin University | Scholarship for academic excellence | Korea

Media Coverage

2018 HP Labs | HP Labs explores a new approach to immersive content creation and consumption

2017 Tektonika | How Project Jetty and its technology are uniting human hearts
 HP Labs | Pushing the limits of 3D printing — a cross-HP Labs collaboration to create 3D printed wearables

2016 Innovation Journal | The HP Immersive Experiences Lab Jetty story
 HP Labs | Ji Won Jun wins the Interactive Innovation Award at SXSW in the Student Innovation
 HP Labs | Interaction designer Ji Won Jun joins HP's Immersive Experiences Lab

- 2015 BuzzFeed | 23 Art Designs That Enraptured Us In 2015
The Creators Project | Hand-Shaped Lamp Lights Up at Your Fingertips
Art Center | Media Design Practices graduating students explore the contours of invisibility, visibility and spaces in-between
- 2014 Fast Co Design | This Backpack Vaporizes Your Data And Puts You Behind A Smokescreen
PSFK | Data Vaporizer smoke machine makes the invisible visible
Trend Hunter | Information - protecting Backpacks
Intel Design School Network | Data Vaporizer
KPCC | 5 cool 'wearable' prototypes that might be the next Google Glass
Art Center | Fashion forward meets emotional rescue: Art Center students imagine the future of wearables
memburn | The future of wearables: nail art, expressive hats and a smoke machine
TECH | Red os fra wearable-teknologien (Danish)
Excelsior | Dispositivos vestibles serán más eficientes (Spanish)
Microsiervos | Esta mochila produce niebla a tu alrededor para preservar tu intimidad (Spanish)
Morning Russia | National Internet Channel (Russian) | 1:30 - 2:02
Korea Daily Los Angeles | [21세기형 교육 현장을 가다] 기존 학습법 파괴... '혁신 학교' 잘 나간다 (Korean)