

Ye Sul E. Cho

Designer, Researcher
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Ye Sul E. Cho is a designer + researcher based in London + Vancouver, exploring advanced materials and user interactive designs with a social agenda. Her research aims to design innovative inclusive environments by finding applications of responsive materials and implementing human-centric R&D approaches to architecture. Recent research initiatives include the exploration of advanced material application to aid aging in place (Autodesk Residency), a parametric 3D-printed masonry wall system (Masonry Worx sponsorship), and a low-tech home environment sensor for children (ANZ Bank commission). She is the director at SUSA Space + 65 SQM design studio, and has experience at renowned architecture offices such as Höweler and Yoon, OMA, Bjarke Ingels Group, Alison Brooks Architects.

Professional Practice

- 2024-
Current **SUSA SPACE**
Director, Co-Founding Designer
- 2017-
Current **65 SQM**
Director, Co-Founding Designer
- 2022-2024 **Höweler + Yoon Architecture (HYA)**
Junior Architect, Boston
- 2018 **Office for Metropolitan Architecture (OMA)**
Architectural Intern, New York
- 2017 **Bjarke Ingels Group (BIG)**
Architectural Intern, New York
- 2017 **Alison Brooks Architects (ABA)**
Architectural Intern, London UK
- 2015 **WXY Architecture + Urban Design**
Architectural Intern, New York
- 2015 **Arquitectonica**
Architectural Intern, Los Angeles

Exhibition / Exhibition Curation

- 2023 **Unknown, Unknown, 18th International Architecture Exhibition of La Biennale Di Venezia**
Mabel O.Wilson, J.Meejin Yoon, Eric Höweler, | Project Team Member
- 2022 **Prototypica_**, Riverside Gallery, University of Waterloo School of Architecture
Co-Curator, Exhibited projects: Smart Aging (selected by jury)
- 2020 **Riverside Gallery, IDS Exhibition, University of Waterloo School of Architecture**
Exhibited projects : 3D Printed Woven Bricks, & ANZ Mr. Humfreez
- 2020 **Interior Design Show**, University of Waterloo School of Architecture
Exhibited projects : 3D Printed Woven Bricks, & ANZ Mr. Humfreez
- 2020 **The Clay & Glass Museum, Material Syntax Exhibition 2**
Co-Curator
- 2019 **Riverside Gallery, Material Syntax Exhibition**
Curator, Exhibited project: 3D Printed Woven Bricks
- 2019 **The Clay & Glass Museum, Material Syntax Exhibition 1**
Co-Curator, Exhibited project: 3D Printed Woven Bricks
- 2019 **Project Review, University Waterloo School of Architecture**
Exhibited project: Smart Aging : How Smart Materials in Architecture Can Respond to Changing User Needs, TRD1 Master's Design Studio

Research Experience

- 2019-22 Project Lead, Researcher, University of Waterloo School of Architecture
Project: Hive | 3D printed clay masonry | Co-lead Professor David Correa
- 2020-21 Resident Researcher, Autodesk Technology Lab
Project: Smart Aging: Auxetic Protective Suit
- 2019-20 Research Assistant , University of Waterloo School of Architecture
Professor David Correa, Mr. Humfreez project / research
- 2020 Teaching Assistant , University of Waterloo School of Architecture
1A Design Studio 192, Winter term
- 2019 Teaching Assistant , University of Waterloo School of Architecture
1B Design Studio 193 , Fall term (Excellence in Architecture Teaching Assistant Award)

Conferences/ Presentations

- 2020 Autodesk Technology Lab Pecha Kucha
Smart Aging : How Smart Materials in Architecture Can Respond to Changing User Needs
- 2020 SDI Architects + Design , Projects Presentation
3D Woven Clay Brick
- 2020 Arch 421 Material Syntax, Guest Presentation
3D Woven Clay Brick Project
- 2019 Architecture in the Age of the 4th Industrial Revolution, 37th eCAADe and 23rd SIGraDi Conference 2019
Guiding Instability : A craft-based approach for modular 3D clay printed masonry screen units
- 2019 Galt Issu. 2 , Breaking Launch Event
3D Woven Clay Brick Project

Press

- 2022 Archdaily (2022) “3D-Printed Masonry Wall: The Introduction of Digital Craftsmanship”, 21 July, 2022
<https://www.archdaily.com/985574/3d-printed-masonry-wall-the-introduction-of-digital-craftsmanship>
- 2019 Canadian Architect (2019) “Clay & Glass Gallery showcases 3D printed façades by University of Waterloo students”, *Canadian Architect*, Canada, 10 May,
<https://www.canadianarchitect.com/clay-glass-gallery-showcases-3d-printed-facades-by-university-of-waterloo-students/>
- 2019 Venuto, D. (2019) “This adorable ornament could keep your kids safe”, *NZ Herald*, New Zealand, 17 Oct,
<https://www.nzherald.co.nz/business/the-weird-science-behind-anzs-mr-humfreez-the-trojan-ram-fighting-damp-homes/RNFYGADXBLQIM5J4WSXRTRWIUY/>
- 2019 Caldwell, B (2019) “Old and new come together in striking designs”, *Waterloo Stories*, Canada, 13 Feb,

<https://uwaterloo.ca/stories/old-and-new-come-together-striking-designs>

Education

- 2020 University of Waterloo School of Architecture
Master of Architecture (M.Arch) (RAIC Honor Roll Reward + with Distinction)
Thesis : Smart Aging : How Smart Materials in Architecture Can Respond to Changing User Needs
- 2018 University of Waterloo School of Architecture
Honors Bachelor of Architectural Studies (BAS) + co.op (with Distinction)

Publications/ Posters (* peer reviewed)

- 2019 Shi, Ye Sul Cho, Taylor, Correa (2019), “ Guiding Instability A craft-based approach for modular 3D clay printed masonry screen units.” eCAADe SIGraDi 2019 Proceedings *
- 2019 Taylor, Shi, Ye Sul (Elly) Cho, Correa, Project Poster “Embracing Errors: Exploring deviations in 3d clay printing as design generators” Reynolds Symposium: Education by Design, University of Oregon *
- 2019 Ye Sul (Elly) Cho, Shi, Taylor, Correa, “Woven Brick” Galt Issu. 2 , Breaking Pg. 88-91

Awards

- 2021 Royal Architectural Institute of Canada, Honour Roll Award
Thesis : Smart Aging : How Smart Materials in Architecture Can Respond to Changing User Needs
- 2020 British Design & Art Direction award. 20,000 submissions, 260 judges, 75 countries
Yellow Pencil - Direct / Direct Innovation / 2020
Wood Pencil - Product Design / Promotional
Shortlist - Impact / Design/Brands
Project: Mr.Humfreeze
- 2020 Axis Award
Gold – category for Product Design – Non Tech
Silver - Executive Judge’s choice, category “For Good”
Silver – category for Brand Experience
Finalist – category for Direct Campaign
Project: Mr.Humfreeze
- 2020 Effie Awards – Awarded by the Commercial Communications Council of New Zealand
Gold – category for Most Effective Integrated Campaign
Silver – category for Best Strategic Thinking
Project: Mr.Humfreeze
- 2020 Designers Institute of New Zealand, Best Design Awards (finalist)
Silver – Public Good Award
Bronze – Value of Design Award
Project: Mr.Humfreeze
- 2020 Immortal Awards UK – 52 countries
Asia Pacific Shortlist and Finalist (region - 190 submissions, 35 shortlisted, 4 finalists)
Project: Mr.Humfreeze
- 2019 Excellence in Architecture Teaching Assistant
1B Design Studio , Winter
- 2018 Graduate Entrance Scholarship, University of Waterloo