

YAOYI ZHOU

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Google Scholar Profile: <https://scholar.google.com/citations?user=EIUDYVYAAAAJ&hl=en>

My research, creative scholarship, teaching, and service are focused on advancing workplace design in the interior design and architecture disciplines through (1) exploring new methods and technology to study how workplace design affects human social well-being; (2) an interdisciplinary approach (design + behavioral science) to advance human-centered design.

Academic Appointments

- 2021-now **Assistant Professor** (Tenure-track), Virginia Tech
Interior Design Program, School of Architecture + Design
- 2016-21 **Graduate Teaching Assistant**, Cornell University
Department of Design and Environmental Analysis

Educational History

- 2021 **Ph.D. in Human Behavior and Design**, Cornell University
Department of Design and Environmental Analysis (DEA)
Minor fields: Organizational Behavior; Real Estate
Committee: Ying Hua (Chair), Michael Tomlan, Pamela Tolbert
- 2015 **Master of Architecture**, Cornell University
Department of Architecture
- 2014 **Master of Architecture**, Zhejiang University, China
Department of Architecture
Exchange Student at Polytechnic University of Madrid, Spain (2012 Spring)
- 2011 **Bachelor of Architecture**, Zhejiang University, China
Department of Architecture

Research Interests

Workplace Design, Programming, and Post-Occupancy Evaluation
Sensor-based Technologies
Data Analytics in Facility Management
Social Network Analysis

Selected Awards, Grants and Fellowships

- 2022 **Ones To Watch Award**, American Society of Interior Designers (ASID)
Each year ASID Ones to Watch Award recognizes up to 20 applicants as rising leaders who demonstrate exceptional leadership potential in the interior design industry.
- 2022 **Co-PI, External Funding** from Steelcase, (\$7500, approved by Steelcase)
“Project-based Learning (PBL) in Hybrid/Blended Higher Education Settings”, with Prof. Elif Tural to cover travel and research expenses.
- 2022 **New Faculty Mentoring Grant**, (\$1500, Virginia Tech)
The fund is designated for a project that engages at least one mentor external to Virginia Tech in helping the faculty member advance their academic career.
- 2022 **CAUS Instructional Innovation Challenge (IIC) mini-grant**, (\$500, Virginia Tech)
Project: “Women Designers in the History of Interiors.”
- 2020 **Hsien Wu and Daisy Yen Wu Scholarship Award**, (\$1000, Cornell University).
Each year the Wu Scholarship recognizes 8 graduate students who have demonstrated exceptional academic ability and performance.
- 2019 **The Butts, Orrilla Wright Memorial, Dimelow, Grace C and HEEA Summer Fellowship** (\$5,735, Cornell University).
This fellowship recognizes graduate students who have demonstrated exceptional academic performance to support research in summer.
- 2019 **DEA PhD Dissertation Research Grant** (\$1200, Cornell University)
to cover travel and research expenses for the dissertation research project.
- 2018 **Best Student Paper Award**, 2nd-place.
Environmental Design Research Association (EDRA) 49th annual conference.
- 2017 **Jean Failing and Virginia F. Cutler Fellowships** (\$24,759, Cornell University)
to cover tuition, stipend, and health insurance.
- 2013 **Honorable Mention Prize (20/321)**
UIA-HYP Cup 2012 International Student Competition in Architectural Design

Refereed Journal Articles

- 2022 Tagliaro, C., **Zhou, Y.**, & Hua, Y., Work activity pattern and collaboration network: New drivers for workplace space planning and design. *Journal of Interior Design*. 47 (3), 29-46. <https://onlinelibrary.wiley.com/doi/full/10.1111/joid.12226>
- 2022 Yang, E., Sanborn, B. & **Zhou, Y.**, The role of coworking spaces in the changing landscape of future workplace: Linking boundary organization theory and organizational development models. *Journal of Corporate Real Estate*. <https://www.emerald.com/insight/content/doi/10.1108/JCRE-12-2021-0046/full/html>
- 2021 **Zhou, Y.**, Tagliaro, C. and Hua, Y., Networked “bubbles”: Study workgroups’ spatial adjacency preference using social network analysis methods, *Journal of Corporate Real Estate*, 23(2). 87-105. <https://doi.org/10.1108/JCRE-06-2020-0024>
- 2021 **Zhou, Y.**, Hua, Y., & Liu, J., Study workplace space occupancy: A review of measures and technologies. *Journal of Facilities Management*. 20(3), 350-368. <https://doi.org/10.1108/JFM-01-2021-0013>
- 2021 **Zhou, Y.** and Hua, Y., The role of shared study space in shaping graduate students’ social networks, *Journal of Facilities Management*, 19(1). 91-110. <https://doi.org/10.1108/JFM-08-2020-0060>
- 2020 Tagliaro, C., **Zhou, Y.**, & Hua, Y., A change in granularity: Measure space utilization through smart technologies. *Facilities*, 39(1/2). 64-79. <https://doi.org/10.1108/F-08-2019-0093>
- 2019 **Zhou, Y.**, A taxonomy of coworking spaces in Manhattan, NYC. *Cornell Real Estate Review*, 17, 58-65. <https://scholarship.sha.cornell.edu/crer/vol17/iss1/17>
- 2014 Luo, Q., & **Zhou, Y.**, New organic architecture in the digital era: Material-based design computation, *Architecture & Culture*, 8, 118-119. (In Chinese)

Book Chapters

- 2022-23 **Zhou, Y.**, A Social Network Analysis Approach to Study Social Interactions and Relations in Workplace. In Tagliaro, C., Orel, M. & Hua Y., (eds). *Researching Physical and Virtual Workplaces: Methodological Approaches for Workplace Research*. Routledge (In press, expect to publish in early 2023)
- 2022 Tagliaro, C., **Zhou, Y.**, & Hua, Y., Community bonds in new working spaces of a small town. In I. Mariotti, P. Bednář and M. D. Marino (Eds.), *The COVID-19 pandemic and the Future of Working Spaces*. Routledge. DOI: [10.4324/9781003181163-7](https://doi.org/10.4324/9781003181163-7)

Ph.D. Dissertation

- 2021 “Flexibility vs Community: Two Studies of Coworking Space and Members’ Social Connectivity”, Cornell University, ProQuest, 2021. 28713195.
<https://ecommons.cornell.edu/handle/1813/110693>
This dissertation explores how coworking members are socially connected and what environmental factors are related to their social network formation. Mixed methods were applied to study coworking spaces in New York City in Study #1 to explore coworking space characteristics and the members’ social connectivity. Based on the findings, a 2x2 online survey experiment (Study #2) was conducted to examine whether increased spatial-temporal flexibility negatively affects an individual’s attitudes toward social interaction in work settings.

Refereed Conference Proceedings

- 2022 **Zhou, Y.**, Yang, J., Lu, Y. & Ma, J. (Accepted). Revisiting Design Concepts in Color, Form, and Space through One-point Perspectives. *IDEC South Regional Annual Conference*.
- 2020 Tagliaro, C., **Zhou, Y.**, & Hua, Y., Analyze group work activity pattern through work type and collaboration network in a large organization. *The conference Proceedings of Transdisciplinary Workplace Research (TWR) Conference*, Weimar, Germany. **(Best paper final list)**
- 2019 **Zhou, Y.**, Tagliaro, C., & Hua, Y., From hour to minute: Non-technical challenges for measuring office space utilization with smart technologies, *The conference Proceedings of CIB World Building Congress 2019*, Hong Kong.
- 2019 **Zhou, Y.**, Coworking as an emerging urban lifestyle: location analysis study of coworking spaces in Manhattan, NYC. *The conference proceedings of EDRA50*, Brooklyn, NY.
- 2019 Faulk, J. D., McKee, C. C., Bazille, H., Brigham, M., Daniel, J.,... **Zhou, Y.**, ...Hedge, A. Performance, Movement, Posture, and Perceived Discomfort in Active vs. Static Seating. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, 63(1), 1154–1158.
- 2018 **Zhou, Y.** & Liu, J., "Accuspace": A prototype of occupant space-use monitoring tool for workplace studies, *The Conference Proceedings of The Environmental Research Design Association (EDRA) 49*, Saint Paul, MN. **(Best student paper award, 2nd place)**
- 2013 **Zhou, Y.**, Multi-objective optimization methodologies for bio-inspired structural form generation using genetic algorithms, *The Conference Proceedings of DADA 2013 International Conference on Digital Architecture*, Beijing, China.

Refereed Conference Presentations

- 2022 **Zhou, Y.**, “Flexibility vs. community: Two studies about coworking space and the member’s social connectivity.” Interior Design Education Council (IDEC) Annual Conference, New York, NY.
- 2022 **Zhou, Y.**, “Flexibility vs. community: Two studies about coworking space and the member’s social connectivity.” Interior Design Education Council (IDEC) Annual Conference, New York, NY.
- 2020 **Zhou, Y.**, “Won't you be my neighbor? How workgroups choose spatially adjacent neighbors during new office space planning.” The 26th International Association People-Environment Studies (IAPS) 2020 International Conference, Québec City, Canada.
- 2020 **Zhou, Y.**, “The role of shared study space in bridging graduate student's social network,” The 26th International Association People-Environment Studies (IAPS) 2020 International Conference, Québec City, Canada.
- 2019 **Zhou, Y.**, “Coworking as an emerging urban lifestyle: location analysis study of coworking spaces in Manhattan, NYC,” The 50TH conference of Environmental Design Research Association (EDRA 50), Brooklyn, NY.
- 2018 **Zhou, Y. & Liu, J.**, “‘Accuspace’: A prototype of occupant space-Use monitoring tool for workplace studies,” The 49TH conference of Environmental Design Research Association (EDRA49), Oklahoma City.
- 2013 **Zhou, Y.**, “Multi-objective optimization methodologies for bio-inspired structural form generation using genetic algorithms,” The DADA 2013 International Conference on Digital Architecture, Beijing, China. (In Chinese)

Invited Talks

- 2022 “A Brief History of Workplace Design” Present on the class of *ITDS 1224: Introduction to Interior Design*, (invited by Prof. Brad Whitney), ITDS, Virginia Tech
- 2021 “Chinese Architecture and Interior Design” Present on the class of *ITDS 3125: History in Interior Design*, (invited by Prof. Eiman Elgewely), ITDS, Virginia Tech
- 2020 “Work & Life, Selected Projects by YUZO Design” Present on the class of *DEA4410 Adaptive Reuse Design Studio* Fall 2020 (invited by Prof. Rhonda Gilmore), DEA, Cornell University
- 2019 “Historic Preservation in China” Present on the class of *DEA4410 Adaptive Reuse Design Studio*, (invited by Prof. Rhonda Gilmore), DEA, Cornell University

2019 “Progressive education and school design in the US” (With Jinting Yang), The 4th International Symposium on School Campus Construction for K-12 Education. Qingdao, China. (In Chinese)

Professional Experience

2019-now **Co-founder**, YUZO Design, www.yuzodesign.com
Together with Jinting Yang, AIA, I co-found YUZO Design, LLC, in 2019. I led the design for all projects done by YUZO Design, in charge of projects in the concept, programming, and schematic design phases. I am also engaged in the decision-making process during the construction documentation and construction administration phases, including responsibilities like making revisions according to other professionals’ comments, material selection, etc.

Selected projects (Completed):

WAYZIM Headquarters, Wuxi, China | Arch & interior, 6,500m²

WAYZIM Showhouse, Hangzhou, China | Arch & interior, 2,900m²

WAYZIM Chengdu Office, Chengdu, China | Interior, 650m²

BOBBIN TECH Office, Shenzhen, China | Interior, 390m²

KEYWEST Bar, Shenzhen, China | Interior, 90m²

Selected projects (Under construction):

WAYZIM Manufactory Campus, Nanling, China | Architecture, 200000 m²

WAYZIM Giga Factory, Wuxi, China | Workplace Arch & interior, 40,000m²

WAYZIM Micro Garden Hotel, Nanling, China | Arch & interior, 11,000m²

REEMOON Manufactory Campus, Ganzhou, China | Architecture, 320,000 m²

SHENHAO TECH R&D Center, Hangzhou, China | Arch & interior, 52,000m²

2015–16 **Architectural Designer**, Steven Kuo Architect & Associates, PLLC | NYC, NY
2012–13 **Intern**, Architectural Design & Research Institute of Zhejiang University (UAD)
2012 **Intern**, Cervera & Pioz Architects | Madrid, Spain (6 months)

Design Projects Publication

2021 Bobbin Tech Offices – Shenzhen, 400 m² | Office Snapshots
<https://officesnapshots.com/2022/02/18/bobbin-tech-offices-shenzhen/>
2012 **Zhou, Y., & Yang, J.** Balcony: Xixi Wetland Museum Design, *Urban Environment Design*, 12, 148-149. (In Chinese)

Student Design Competition Awards

2022 **Second Place Nationally**, IDEC Student Competition
Student names: Kelly Galway, Cora Embree, Abbey Showalte, Erin Regan
2022 **Second Place in South Region Finalist**, IDEC Student Competition 2022
Student names: Alice Sandoval, Carly Billak, Claire Hundley, Maeve Lyman

Course Taught at Virginia Tech

- 2021-now **ITDS 3044: Interior Design III** (6-credit), Studio Instructor, Virginia Tech
Third-year design studio in Fall. Exploration and development of interior spaces emphasizing corporate office use, branding of interior environments, and building system integration through three design projects.
- 2021-now **ITDS 3054: Interior Design IV** (6-credit), Studio Instructor, Virginia Tech
Third-year design studio in Spring. Design process, space planning and code compliance with advanced understanding of appropriate concepts for integrating furniture, fixtures, equipment, color, and finish materials in design solutions.
- 2021-now **ITDS 3126: History of Interiors** (3-credit), Instructor, Virginia Tech
Survey of significant developments in the design of interiors, furniture, and materials culture. Style, scale, material culture of each period. Social, economic, technological and political influences on design. Significant designers and craftsmen.
- 2022-now **ITDS 4224: Design Research for interiors** (3-credit), Instructor, Virginia Tech
Project Programming and Design Research Methods in Interior Design. Evaluate and apply design research. Methods in evidence-based design, and neuroscience.

Course Taught at Cornell as Teaching Assistant

- 2018&2020 DEA 6500/3590: Problem-Seeking through Programming (Prof. Lorraine Maxwell)
- 2019 DEA 5540: Workplace Strategies Studio (Prof. Ying Hua)
- 2019&2020 DEA 4410: Adaptive Reuse Design Studio (Prof. Rhonda Gilmore)
- 2016 DEA 3301: Design UX Studio (Prof. So-Yeon Yoon)
- 2018 DEA 2040: High Performance Building (Prof. Ying Hua)
- 2017&2019 DEA 1150: Design Studio (Prof. So-Yeon Yoon)
- 2019 DEA 1110: Making a difference by design (Prof. Cindy Kao)
- 2016 DEA 1101: Visual Literacy and Design (Prof. John Elliott)

University Service

- 2022 **Member**, AAD Curriculum Committee, Virginia Tech
- 2022 **Member**, School of D, Faculty search, Assistant professor of interior design
- 2022 **Member**, School of D, Faculty search, Assistant professor of industrial design
- 2021 **Member**, School of A+D, Faculty search committee, Assistant professor of architecture in adaptive reuse and preservation

Professional Membership and Credentials

- 2021–now American Society of Interior Designers (ASID)
- 2021–now Interior Design Education Council (IDEC)
- 2016–now Environmental Design Research Association (EDRA)
- 2015–now LEED Green Associate

Service to Students

- 2022-now **Faculty Mentor**, Virginia Tech Asian Pacific Islander Desi American (APIDA) Caucus Graduate Mentoring Program
- 2022 **Faculty Advisor**, student group at Virginia Tech: Interior Designers for Education and Sustainability (IDEAS)
- 2022 Field trip, with ITDS 3044 studio, Washington DC, Steelcase showroom
- 2022 Sponsored studio (\$5000) from Steelcase, Co-teach with Prof. Elif Tural
- 2022 **Guest critic**, 1st-year design studio final review (Invited by Prof. Nero He), Architecture program, Virginia Tech
- 2022 **Guest critic**, 1st-year design studio final review (invited by Prof. Isaac Alejandro Mangual-Martínez), Architecture program, Virginia Tech
- 2022 **Guest critic**, 5th-year students' thesis project midterm review (invited by Prof. Miranda Shugars), Architecture program, Virginia Tech
- 2019 **Guest critic**, 2nd-year students' studio project midterm review (invited by Prof. Jinting Yang), DEA, Cornell University

Professional Service

- Journal Reviewer**, Journal of Environmental Psychology
- Journal Reviewer**, Journal of Interior Design
- Journal Reviewer**, Journal of Corporate Real Estate
- 2022-now **Accreditation review site visitor**, The Council for Interior Design Accreditation (CIDA)
- 2022-now **Board member**, communication liaison, Interior Design Education Council (IDEC) South Region Council
- 2021-now **Board member**, Transdisciplinary Workplace Research (TWR) network
- 2020 **Scientific board member**, the 5th Research Group on Collaborative Spaces (RGCS) Symposium. Milan, Italy (Dec. 14-15, 2020)
- 2020 **Panel discussant**, Session 1-b: "Distributed Work", the 5th Research Group on Collaborative Spaces (RGCS) Symposium
- 2019-now **Abstract reviewer**, EDRA Annual Conference

Work in Progress

- 2022-23 **Zhou, Y.** Two studies about coworking spaces and the members' social connectivity. Plan to submit to *Environment and Behavior*.
- 2022-24 **Zhou, Y.**, Upgrading the world's factory: Workplace design for industrial parks in China. Monograph
- 2022-25 **Zhou, Y. & Yang, J.**, The education and work lives of women architects in China. Book
- 2022-23 **Zhou, Y. & Tural, E.**, Toward inclusive campus communities: Examining the role of interior spaces in a global living-learning community