

ERIN LINSEY HUNT | CV

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I. CANDIDATE INFORMATION

Education

2019- 2021	Master of Design Technology Harvard Graduate School of Design, Cambridge, MA, USA
2012- 2017	Bachelor of Architecture, Cum Laude, Iowa State University College of Design, Ames, IA, USA
Fall 2015	Architecture Exchange Student, IE University, Segovia, Spain

Academic Appointments

Fall 2021-	Assistant Professor of Architecture at Texas Tech University Huckabee College of Architecture Lubbock, TX, USA
Fall 2020	Teaching Assistant Harvard Graduate School of Design Cambridge, MA, USA Advanced Topics on Embodied Carbon in Buildings (SCI 6372) with Jonathan Grinham
Fall 2020	Teaching Assistant Harvard Graduate School of Design Cambridge, MA, USA Material Systems: Digital Design and Fabrication (SCI 6317) with Nathan King and Zach Seibold
Spring 2020	Research Assistant at the Wyss Institute Cambridge, MA, USA with Professor Jonathan Grinham
Fall 2019	Teaching Assistant Harvard Graduate School of Design Cambridge, MA, USA Material Systems: Digital Design and Fabrication (SCI 6317) with Nathan King
2017- 2019	Computation + Construction Lab Associate Iowa State University Department of Architecture Ames, IA, USA
2016- 2017	Undergraduate Research Assistant at the Computation + Construction Lab Iowa State University Department of Architecture Ames, IA, USA

Professional Experience

Summer 2020	Nike Digital NXT Innovation Computational Design Intern Beaverton, OR, USA
Summer 2019	Fellowship with Blackbird Investments Des Moines, IA, USA

II. SCHOLARSHIP

Book Chapters

- 2025** **Paper Clay Formwork**
(forthcoming) Claying Architecture, Shelby Doyle, Frank Melendez, Kelly Murphy, and Jonathan Scelsa (Ed)

Conference Proceedings- Peer Reviewed Papers

- 2025** **Forthcoming: Non-Planar 3D Printing of Vaulted Structures Using Variable Feed and Extrusion Rates for Wind-Informed Climate Resilience** Mark Segovia, Desiray Rodriguez, Erin Hunt, Sina Mostafavi
Computing for Resilience: Paper Proceedings of the 45th Annual Conference of the Association for Computer Aided Design in Architecture ACADIA, November 6-8, 2025, Miami, Florida
- 2025** **Forthcoming: Evaporative Ceramic Cooling Blocks: Digitally Fabricated Climate Solutions for Semi-Arid Environments** Erin Hunt, Enrique Espinoza, Peter Raab
Computing for Resilience: Paper Proceedings of the 45th Annual Conference of the Association for Computer Aided Design in Architecture ACADIA, November 6-8, 2025, Miami, Florida
- 2025** **Forthcoming: Robotic Milling for Sustainable Ceramic Tile Design** Erin Hunt, Mark Segovia, Desiray Rodriguez
Proceedings of the 2025 Building Technology Educators' Society, June 2-5, 2025, Chicago, Illinois
- 2025** **Forthcoming: Bridging Technology and Sustainability: 3D-Printed Clay Formwork in Architectural Pedagogy** Erin Hunt
Proceedings of the 2025 Building Technology Educators' Society, June 2-5, 2025, Chicago, Illinois
- 2025** **Forthcoming: Shift: Exploring the Boundaries of Clay Printing Through a Full-Scale Architectural Application** Erin Hunt, Zoe Wall, Lenora Ask
Proceedings of the 2025 ARCC Conference EMERGING CHALLENGES: Technological, Environmental, Social, April 2-5, 2025, College Park, MD & Washington DC
- 2025** **Forthcoming: Integrating 3D-Printed Ceramic-Based Evaporative Cooling into Studio Teaching** Erin Hunt
2024 ACSA/AIA Intersections Research Conference: NEW HOUSING PARADIGMS, January 9-11, 2025, Austin, TX.
- 2024** **Forthcoming: Wattle, Robot, and Daub: Looking Backwards to Move Towards a More Integrated Digital/Analog Construction Ecosystem** Erin Hunt, Neal Lucas Hitch
2024 International Conference | Conferencia Internacional INFLECTIONS | INFLEXIONES, June 27-29, 2024, Querétaro, Mexico
- 2023** **Forthcoming: Investigating Circular Concrete Formwork** Erin Hunt
Proceedings of the ACSA/AIA Intersections Research Conference: Material Economies, October 19-21, 2023, Almherst, MA
- 2023** **Forthcoming: Earthen Ecologies: Creating Micro-Climates as a Community Education Tool within a Semi-arid Landscape** Erin Hunt, Peter Raab, and Terah Maher
Proceedings of the ACSA/AIA Intersections Research Conference: Material Economies, October 19-21, 2023, Almherst, MA
- 2023** **Hexcrete Modular and Recyclable Paper Clay Formwork** Erin Hunt and Haley Arthur Eisenmann
Dokonal, W, Hirschberg, U and Wurzer, G (eds.), Digital Design Reconsidered - Proceedings of the 41st Conference on Education and Research in Computer Aided Architectural Design in Europe (eCAADe 2023) - Volume 1, Graz, Austria 20-22 September 2023, (pp. 429–438) <https://doi.org/10.52842/conf.ecaade.2023.1.429>
- 2023** **Introducing Robotics to Students: Through Novel Architectectual Fabrication** Erin Hunt
Loreto, Giovanni and Martin-Malikian, Liz (Eds.) Proceedings of the 2023 Building Technology Educators' Society Conference, Building Technology Educator's Society: Vol. 2023, Article 1, June 1-4, 2023, Mayer, Arizona (pp.319-326)
<https://scholarworks.umass.edu/btes/vol2023/iss1/1/>
- 2023** **Introducing Computational Design and Digital Fabrication to Architecture Students** Erin Hunt

Brandel, J., Schwaen, R. (Eds.) Known and Unknown Territories: Proceedings of the 38th National Conference of the Beginning Design Student NCBDS, May 18-20, 2023, Fargo, North Dakota (pp. 371-378) https://sodaa360.com/wp-content/uploads/2023/09/NCBDS-38-Known-and-Unknown-Territories-Conference-Proceedings-With-Cover_Spreads_FINAL_PDF-for-Web.pdf

- 2023** **An Investigation into Recyclable Water-Soluble 3D Printed Formwork Informed by Finite Element Analysis** Erin Hunt and Jonathan Grinham
Koh, I., Reinhardt, D., Makki, M., Khakhar, M., Bao, N. (Eds.) HUMAN-CENTRIC: Proceedings of the 28th International Conference of the Association for Computer-Aided Architectural Design Research in Asia CAADRIA Volume II, March 18-24, 2023, Ahmedabad, India (pp. 251-260) <https://doi.org/10.52842/conf.caadria.2023.2.251>
- 2020** **Melting 2.0** Shelby Doyle and Erin Hunt
Yablonina, M., Marcus, A., Doyle, S., Del Campo, M., Ago, V., Slocum, B. (Eds.) Disrupted Proximities: Paper Proceedings of the 40th Annual Conference of the Association for Computer Aided Design in Architecture ACADIA Volume II, October 24-30, 2020, Online (pp.192-197) https://papers.cumincad.org/cgi-bin/works/Show?acadia20_192p
- 2019** **Dissolvable 3D Printed Formwork: exploring additive manufacturing for reinforced concrete**
Shelby Doyle and Erin Hunt
Bieg, K., Briscoe, D., and Odom, C. (Eds.) Ubiquity and Autonomy: Paper Proceedings of the 39th Annual Conference of the Association for Computer Aided Design in Architecture ACADIA, October 24-26, 2019, Austin, Texas (pp. 178-188) <https://doi.org/10.52842/conf.acadia.2019.178>
- 2019** **Melting: Augmenting Concrete Columns with Water Soluble 3D Printed Formwork** Shelby Doyle and Erin Hunt
Bieg, K., Briscoe, D., and Odom, C. (Eds.) Ubiquity and Autonomy: Projects Catalog of the 39th Annual Conference of the Association for Computer Aided Design in Architecture ACADIA, October 24-26, 2019, Austin, Texas
- 2018** **WAFt** Shelby Doyle, Erin Hunt, and Kelly Devitt
Anzalone, P., Del Signore, M., and John Wit, A. (Eds.) Recalibration: On Imprecision and Infidelity: Projects Catalog of the 38th Annual Conference of the Association for Computer Aided Design in Architecture ACADIA, October 18-20, 2018, Mexico City, Mexico (pp. 192-197)
- 2018** **Cyborg Sessions: A Case Study for Gender Equity in Technology**
Shelby Doyle, Leslie Forehand, Erin Hunt, Nick Loughrey, Sarah Schneider, and Nick Senske
Fukuda, T., Huang, W., Janssen, P., Crolla, K., and Alhadidi, S. (Eds.) Learning, Prototyping and Adapting: Proceedings of the 23rd International Conference on Computer-Aided Architectural Design Research in Asia. CAADRIA, 2018. Beijing, China. (pp. 71-80) <https://doi.org/10.52842/conf.caadria.2018.1.071>
- 2017** **IM_RU** Shelby Doyle and Erin Hunt
Lamere, J., and Parreño Alonso, C. (Eds.) Disciplines and Disruption: Projects Catalog of the 37th Annual Conference of the Association for Computer Aided Design in Architecture. ACADIA, November 1-4, 2017, Cambridge, MA. (pp.128-133)

Sponsored Projects

2023-24 **Amarillo National Bank (\$30,000)**

External Grants and Awards for Research

- 2025** **Steel Design-Build Grant Program (\$20,000) [Awarded]** with Peter Raab
- 2025** **Architectural Research Centers Consortium (ARCC) Research Incentive Award (\$10,000) [Awarded]** with Piyush Khairnar
- 2022** **Huckabee College of Architecture Alumni Donation for Research Work (\$500)**
- 2021** **Harvard Graduate School of Design Research and Development Award (\$190)**
- 2019** **Emerging Research Award: Project Category for Melting (\$6,000)** with Shelby Doyle

2019	ACADIA Conference Student Travel Scholarship Award (\$300)
2018	Joan B. Calambokidis Innovation in Masonry Design Competition Young Architect/Engineer Category Winner (\$10,000) with Shelby Doyle, Leslie Forehand, and Nick Senske
2017	ACADIA Conference Student Travel Scholarship Award (\$180)
2016	Iowa State University Focus Grant (\$500) with Rahul Attraya

Internal Awards for Teaching

2023	Texas Tech University Alumni Association New Faculty Award (\$500)
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External Invited Course Lectures

Spring 2024	Explorations into Clay 3D Printing in Architecture Presentation for Ecological Tectonics Studio focusing on 3D-Printed Ceramics, Invited by Adam Marcus, Tulane University, New Orleans, LA. (Virtual)
Spring 2023	Reusable 3D Printed Formwork Presentation for Dsn 546 Interdisciplinary Design-Build Option Studio, Invited by Rob Whitehead and Nick Senske, Iowa State University, Ames, IA. (Virtual)
2020	Additive Manufacturing Applications in Architecture Presentation for ARCH 2044: Building Materials, Invited by Dr. Nathan King, Virginia Tech, Blacksburg, VA. (Virtual)
2020	Additive Manufacturing Applications The Designery Program- Youth Boston with Harvard Graduate School of Design Fabrication Lab, Cambridge, MA. (Virtual)

Internal Invited Course Lectures

Sp 2023, Sp 2024, Sp 2025	Modules, Scaling, And Fabrication Presentation for ARCH 1302: Design Studio VIII Invited by Coordinator, Professor Pratana Klieopatinon
Sp 2023	Computational Design + Digital Fabrication in Architecture Presentation for ARCH 4602: Design Studio VIII Invited by Coordinator, Dr. Hendrika Buelinckx
Fa 2022	Parametric Design and Digital Fabrication Presentation for ARCH 5304: Architectural Technology Integration: Survey with Dr. Hazem Rashed-Ali

Conference Workshops

2021	SimAUD Workshop Welcome Machine: workflows for the at home fabricator with Nathan King and Zach Seibold
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Invited Conference Lectures

2022	Autodesk Emerging Research Award Presentation Shelby Doyle and Erin Hunt Award Presentation at Hybrids & Haecceities: 42nd Annual Conference of the Association for Computer Aided Design in Architecture ACADIA. October 27-29, 2022, Philadelphia, PA
2018	Introduction to Ceramic 3D Printing in Architecture Shelby Doyle and Erin Hunt AIA Iowa Conference: Movement. Invited Presentation. https://cdn.ymaws.com/www.aiaiowa.org/resource/resmgr/convention_2018/Registration_Brochure_2018.pdf

Conference Presentations- Peer Reviewed

2025	Forthcoming: Non-Planar 3D Printing of Vaulted Structures Using Variable Feed and Extrusion Rates for Wind-Informed Climate Resilience Mark Segovia, Desiray Rodriguez, Erin Hunt, Sina Mostafavi Paper Presentation at Computing for Resilience: 45th Annual Conference of the Association for Computer Aided Design in Architecture ACADIA, 6-8 November 2025, Miami, Florida
2025	Forthcoming: Evaporative Ceramic Cooling Blocks: Digitally Fabricated Climate Solutions for Semi-Arid Environments Erin Hunt Paper Presentation at Computing for Resilience: 45th Annual Conference of the Association for Computer Aided Design in Architecture ACADIA, 6-8 November 2025, Miami, Florida
2025	Bridging Technology and Sustainability: 3D-Printed Clay Formwork in Architectural Pedagogy Erin Hunt Paper presentation at the 10th Building Technology Educators' Society BTES, 2-5 June 2025, Chicago, IL.
2025	Shift: Exploring the Boundaries of Clay Printing Through a Full-Scale Architectural Application Erin Hunt and Zoe Wall Paper presentation at the 2025 ARCC Conference EMERGING CHALLENGES: Technological, Environmental, Social, 2-5 April 2025, College Park, MD & Washington DC.
2025	Integrating 3D-Printed Ceramic-Based Evaporative Cooling into Studio Teaching Erin Hunt Paper presentation at the 2025 ACSA/AIA Intersections Research Conference: NEW HOUSING PARADIGMS, 9-11 January 2025, Austin, TX.
2023	Earthen Ecologies: Investigating Circular Concrete Formwork Though Recyclable 3D Printed Formwork of Two Dissimilar Materials Erin Hunt Paper presentation at the AIA/ACSA Intersections Research Conference Material Economies, 19-21 October 2023, Almhurst, MA.
2023	Hexcrete Modular and Recyclable Paper Clay Formwork Erin Hunt Paper presentation at the 41st Education and Research in Computer Aided Architectural Design in Europe eCAADe. 20-23 September 2023, Graz, Austria.
2023	Introducing Robotics to Students: Through Novel Architectectual Fabrication Erin Hunt Paper presentation at the 8th Building Technology Educators' Society BTES. 1-4 June 2023, Mayer, AZ.
2023	Introducing Computational Design and Digital Fabrication to Architecture Students Erin Hunt Paper presentation at the 38th National Conference of the Beginning Design Student NCBDS. 18-20 May 2023, Fargo, ND.
2023	An Investigation into Recyclable Water-Soluble 3D Printed Formwork Informed by Finite Element Analysis Erin Hunt Proceedings of the 28th International Conference of the Association for Computer-Aided Architectural Design Research in Asia CAADRIA. 18-24 March 2023, Virtual.
2019	Dissolvable 3D Printed Formwork: exploring additive manufacturing for reinforced concrete Shelby Doyle and Erin Hunt Project presentation at Ubiquity and Autonomy: 39th Annual Conference of the Association for Computer Aided Design in Architecture ACADIA. 24-26 October 2019, Austin, TX.
2017	IM_RU Shelby Doyle and Erin Hunt Project presentation at Disciplines and Disruption: 36th Annual Conference of the Association for Computer Aided Design in Architecture ACADIA. 1-4 November 2017, Cambridge, MA.

Peer-Reviewed Exhibitions

- 2020** **Melting 2.0** Shelby Doyle and Erin Hunt
Distributed Proximities: 40th Annual Conference of the Association for Computer Aided Design in Architecture Virtual. October 24-30, 2020, Online
- 2019** **Melting: Augmenting Concrete Columns with Water Soluble 3D Printed Formwork** Shelby Doyle and Erin Hunt
Ubiquity and Autonomy: 39th Annual Conference of the Association for Computer Aided Design in Architecture. 24-26 Oct 2019, Austin, TX.

Curated Exhibitions

- 2023** **Huckabee College of Architecture Student Show. Architectural Research Centers Consortium ARCC 2023 Conference: The Research-Design Interface, Curator: Lior Galili. Dallas, TX.**
Student work featured in the exhibition.
- 2023** **Connection Via Computation, Community and Creativity: Texas Tech University, College of Architecture Students Exhibition in the Texas Society of Architects 83rd Annual Conference & Design Expo**
Student work featured in the exhibition.
- 2019** **Braille 3D Printed Vases for the 2019 National Council on Education for the Ceramic Arts Conference**
Ingrid Lilligren, Chair of Art and Visual Culture at Iowa State University commissioned me to map Braille text to a series of 3D printed porcelain cylinders. The text will relay information regarding the melting of the polar ice.
- 2018** **3D Printed Ceramic Vases for the Iowa State University President Installation** with Shelby Doyle, Erin Hunt, Ingrid Lilligren, and Kelly Devitt
80 unique 3D printed ceramic vases were designed and fabricated for the installation of ISU's president Wendy Wintersteen. These vases were then given out as gifts to those who attended her Inaugural Ball.
- 2018** **IM_RU 2.0 at the Iowa State Fair for Iowa State University's Booth**
The Computation + Construction Lab was chosen to represent Iowa State University at their booth at the Iowa State Fair. I helped design and fabricated the pavilion as well as oversaw a team of students who reconstructed the new iteration of the IM_RU pavilion.

Outreach

- 2022** **Texas Tech Anthem | From Here, It's Possible**
Featuring research work and me working with the robotic arm. <https://youtu.be/M24ZbLcK2X8>
- 2022** **Centennial | Institutional Commercial**
Featuring a student working on their studio project. The team recorded the robotics and clay 3D printing projects occurring during the Spring 2022 ARCH 5604 studio. <https://youtu.be/YSJn1DHNL1c?t=11>
- 2022** **Women's History Month 2022: Erin Hunt**
A series of videos featuring outstanding female faculty and researchers for Women's History Month by the Office of Communication and Marketing. <https://youtu.be/5xh8hJUuiCg>
- 2017 + 2018** **Investigate Your Future with Pete Evans**
A workshop to introduce eighth grade girls to digital fabrication, computation and architecture.
- 2017 + 2018** **4-H Ujima/AAPI Retreat**
A workshop introducing high school students to design.
- 2017** **Cyborg Sessions- Robotics Workshop**
A six week workshop for ISU students to introduce them to basic coding using a small 'turtle' drawing robot and an Arduino Braccio Arm to paint.

III. TEACHING

Design, Computation, and Fabrication Studios/Seminars

Fa 25	ARCH 4341: Media Elective, Digital Formwork & Thin Shell Construction, 3 Credits, 18 Students
Fa 25	ARCH 5354: Advanced Architectural Technology II Topics, 3 credits, 20 students
Sp 25	ARCH 5334: Advanced Architectural Technology I Topics, 3 credits, 19 students
Fa 24	ARCH 5354: Advanced Architectural Technology II Topics, 3 credits, 14 students
Sp 24	ARCH 5334: Advanced Architectural Technology I Topics, 3 credits, 25 students
Sp 24	ARCH 5604: Architectural Design and Research III, 6 credits, 8 students
Fa 2023	ARCH 4341: Media Elective, Investigating Recyclable Paper Clay Formwork, 3 Credits, 15 Students
Su 2023	ARCH 3362/5302: Product Design, Co-Taught with Neal Lucas Hitch, 3 credits, 12 students
Sp 2023	ARCH 5334: Advanced Architectural Technology II, 3 credits, 35 students
Sp 2022	ARCH 5334: Advanced Architectural Technology II, 3 credits, 28 students
Sp 2022	ARCH 5604: Architectural Design and Research III, 6 credits, 8 students
Fa 2021	ARCH 5304: Advanced Architectural Representation, 3 credits, 40 students

Architectural Design Studios

Fa 2025	ARCH 3601: Design Studio V, 6 Credits, 15 Students (Coordinated)
Sp 2025	ARCH 3602: Design Studio VI, Facade City, 6 credits, 14 students, (Coordinated)
Fa 2023	ARCH 4601: Design Studio VII, 6 credits, 14 students
Sp 2023	ARCH 4602: Design Studio VIII, On Social Responsibility of Architecture, 6 credits, 16 students
Fa 2022	ARCH 3601: Design Studio V, 6 Credits, 14 Students (Coordinated)
Fa 2021	ARCH 5601: MArch Year 1 Studio, Design Downtown Lubbock for its Next Chapter, 6 credits, 15 students (Coordinator)

Independent Studies in Design, Computation, and Digital Fabrication

Fa 25	ARCH 7000: Independent Study , Exploration and Reflection on Research Directions, 1 credit, 1 students (MSArchS advisement of Maisie Muñoz) Advised Master of Science in Architecture student in developing critical awareness of architectural research topics through curated readings, bi-weekly discussions, and a written reflection outlining potential thesis directions
Fa 25	ARCH 7000: Independent Study , Soil 3D Printing for Passive Performance, 3 credits, 2 students Research computational design and fabrication of soil-based 3D-printed prototypes, testing material mixtures, airflow, and moisture performance; culminated in a wind chamber-tested wall prototype.
Fa 25	ARCH 7000: Independent Study , Clay 3D Printing for Evaporative Cooling, 3 credits, 2 students This independent study builds on their summer 2025 work developing 3D-printed clay prototypes for open-air evaporative cooling systems. In Fall 2025, the study will expand to evaluate the performance of the system in varying environmental conditions through full-scale installation, irrigation refinement, and field sensor data collection. The work will culminate in comparative analysis between open and closed systems and contribute toward a collaborative conference submission.
Su 25, Fa 25	ARCH 7000: Independent Study , Advanced Additive Manufacturing, 3 credits, 2 students, Co-taught with Sina Mostavavi (MSArchS advisement of Mark Segovia) This independent study supports the development of Mark Segovia's MSArchS thesis by advancing research in robotic clay 3D printing, parametric design, and AR-integrated fabrication workflows. The work will focus on literature review, research design, and the creation of a custom clay extruder to explore openings and complex geometries in architectural assemblies.
Su 2025	ARCH 7000: Independent Study , Clay 3D Printing for Evaporative Cooling, 3 credits, 2 students, Co-taught with Peter Raab This independent study builds on the evaporative cooling block research by refining the system's environmental performance and fabrication scalability. The student will focus on advanced block geometries, expanded irrigation strategies, and integration into a full-scale steel-framed pavilion to support broader deployment in climate-stressed environments.
Su 2025	Land-Use, Planning, Management, and Design (LPMD) 7000: Ph.D. Research , Structural Performance of 3D Printed Building Systems, 3 credits, 2 students, taught with Dr. Ali Nejat (40%) Dr. Sina Mostafavi (40%) and Erin Hunt (20%) This research explores the structural performance of geometrically varied 3D-printed wall infill typologies using parametric modeling, scaled clay printing, and finite element analysis. It establishes a workflow for early-stage design evaluation, bridging digital simulation with physical testing to inform full-scale 3D concrete printing.
Sp 2025	ARCH 7000: Independent Study , Earth Printing, 3 credits, 1 student The student conducted a targeted literature review of earth-based 3D printing research, identifying a key gap in accessible workflows that integrate environmental performance, particularly water-shedding and passive cooling, in arid contexts. Building on this, she developed a custom C# Grasshopper script that introduces thicker layers at defined intervals to facilitate runoff, addressing moisture-related degradation. She also designed block geometries with planned apertures and used CFD simulations to evaluate their passive cooling performance, aligning vernacular material practices with digitally controlled fabrication for climate-adaptive construction.
Sp 2025	ARCH 7000: Independent Study , Clay 3D Printing for Evaporative Cooling, 3 credits, 2 students, Co-taught with Peter Raab This student-led study developed and tested a 3D-printed ceramic cooling block system designed for passive evaporative cooling in semi-arid climates. The students integrated parametric design, custom toolpath scripting, CFD simulation, and full-scale sensor-based outdoor testing, demonstrating temperature reductions of up to 35°F and significant humidity gains using a support-free, digitally fabricated clay tile and substructure assembly.
Sp 2025	ARCH 7000: Independent Study , Advanced Additive Manufacturing, 3 credits, 2 students, Co-taught with Sina Mostavavi The students developed and tested a slope-responsive 3D printing workflow for vaulted clay structures, using a custom Grasshopper script to dynamically control extrusion and print speed. Their work included iterative prototyping, hybrid modular assembly strategies, and wind tunnel testing to evaluate the aerodynamic performance of non-planar printed forms.
Fa 2024	ARCH 7000: Independent Study , Earth Printing, 3 credits, 1 student The student expanded the work developed over the summer and developed an ACSA paper regarding the research work. In the fall, the study shifted toward refining the print medium, optimizing print settings, and testing different additive recipes

including clay, sand, and wheat straw. The student conducted printability trials, cantilever tests, and compression and humidity evaluations, culminating in the drafting of a peer-reviewed ACSA paper that highlights both technical findings and environmental implications (accepted but withdrawn from ACSA's 113th Annual Meeting; Abstract submitted to ARCC 2026)

Su 2024

ARCH 7000: Independent Study, Earth Printing, 3 credits, 1 student

The summer phase focused on identifying and processing a locally sourced soil suitable for 3D printing in a semi-arid climate. The student developed a replicable workflow that included soil extraction, drying, straining, mixing, and manual extrusion testing. This established the foundational protocol for converting raw soil into a printable medium.

Sp 2023

ARCH 7000: Independent Study, Kinetic Fabric Facade Design, 3 credits, 1 student, Co-taught with Kuhn Park

The student expanded and refined his work from the fall 2022 of a fabric, kinetic installation controlled by Arduino.

Sp 2023

ARCH 7000: Independent Study, Clay 3D Printed Arid Ecosystem, 3 credits, 1 student, Co-taught with Terah Maher

The student designed and fabricated clay 3D printed blocks that house an ecosystem. The blocks will have three typologies: passive cooling through evaporation and the housing of various flora and fauna.

Fa 2022

ARCH 7000: Independent Study, Kinetic Fabric Facade Design, 3 credits, 1 student, Co-taught with Kuhn Park

The student expanded and refined his final project from ARCH 5334 (Spring 2022) for a fabric, kinetic facade that control daylighting.

IV. SERVICE

College Service

Fa 2021- Sp2023	Member Architecture Facility Committee
Fall 2021-	Member M.S. Program Committee Design, Computation, and Fabrication
Fall 2021-	Faculty Representative Graduate Comprehensive Exam (GCE)
Spring 2023	Member Search Committee- Advanced Building Technology
Fall 2023-	Member Curriculum Committee
Fall 2023-	Faculty Representative Graduate Admissions MArch
Spring 2024	Member Search Committee- Design
Spring 2025	Member Scholarship Committee

Service Related to Teaching- Invited Juries

Fall 2022	Invited Juror Pratt, Final Review (Online)
Fall 2022	Invited Juror University of Detroit Mercy, Midreview (Online)
Fall 2023	Invited Juror Harvard Graduate School of Design, Review (In-Person)
Fall 2023	Invited Juror University of Detroit Mercy, Final Review (Online)
Fall 2023	Invited Juror Mississippi State University, Final Review (Online)
Fall 2024	Invited Juror University of Pennsylvania Weitzman School of Design Robotics and Autonomous Systems [MSD-RAS] , Final Review (In-Person)

Service Related to Research- Invited Peer Reviewer

2025	Abstract Reviewer Architectural Research Centers Consortium(ARCC)
2025	Paper Reviewer Association for Computer Aided Design in Architecture (ACADIA)
2024	Paper Reviewer The International Journal of Architectural Computing (IJAC)
2024	Paper Reviewer Association for Computer Aided Design in Architecture (ACADIA)
2024	Abstract and Paper Reviewer , Association Collegiate Schools of Architecture (ACSA) 113th Meeting
2023	Abstract Reviewer National Conference of the Beginning Design Student (NCBDS)
2023	Abstract Reviewer ACSA/AIA Intersections Research Conference
2024	Abstract and Paper Reviewer Computer-Aided Design in Asia (CAADRIA)
2024	Paper Reviewer Association Collegiate Schools of Architecture (ACSA) 112th Meeting

Professional Organization Service

2024-26	Board of Directors Association for Computer Aided Design in Architecture (elected 2 year term) Membership Officer and Ad Hoc Committee Chair (2025) Chair of the Scholarships Committee (2025) Member: Scholarship (2024) Communications Committee (2024-25)
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