

Curriculum Vitæ

Duane McLemore

Post-Secondary Degrees

Master of Architecture (MArch)
Bartlett School of Architecture | University College London | 2010

Bachelor of Architecture (BArch)
School of Architecture | University of Southern California | 2003

Professional Licenses

Registered Architect | State of California
License # 38095 | 2019-Current

Certifications

NCARB Certificate # 96805 | 2019-Current

Human Subjects Research Certification
Record ID # 51689620 | 2022-Current

Teaching Appointments

Assistant Professor
Mississippi State University. School of Architecture.
August 2019 - Current.

Adjunct Professor
Woodbury University. School of Architecture.
January 2015 - May 2019.

Adjunct Professor
Pasadena City College. College of Visual Arts and Media
Studies. October 2015 - June 2017

Adjunct Professor
Cal Poly Pomona. School of Architecture.
March 2014 - December 2014.

Current Creative / Professional Role

X Over Zero Design and Architecture.
Los Angeles, CA | Starkville, MS.
Principal. October 2013 - Current.
(aka Duane McLemore - Design and Consulting.
October 2013 - August 2016)

Prior Creative / Professional Experience

Franz Lee Architects. Los Angeles, CA.
Design Consultant. August 2017 - July 2019.
Project Manager. September 2014 - November 2015.

Hodgetts + Fung Design & Architecture. Culver City, CA.
Project Manger. February 2012 - October 2013

Griffin Enright Architects. Los Angeles, CA.
Job Captain. February 2011 - November 2011.

Kovac Architects. Los Angeles, CA.
Intermediate Staff. August 2006 - July 2009.

Tilsley and Associates Architects. Cincinnati, OH.
Designer. April 2004 - July 2006.

Professional Memberships

American Institute of Architects
(AIA) | 2019-Current

Association for Computer-Aided Design in Architecture
(ACADIA) | 2019-Current

Building Technology Educators Society
(BTES) | 2019-Current

Society of Building Science Educators
(SBSE) | 2019-2021

The Architecture Lobby | 2018-Current

National Organization of Minority Architects
(NOMA) | 2017-2021

Los Angeles Forum for Architecture and Urban Design
("LA Forum") | 2006-2019

Research

Key Areas

Geometry | Computational Design | Advanced Fabrication

ORCID

ORCID ID: 0000-0003-0738-947X

Cited By

al-Nabi, Salwa Abd, Ibrahim, Wesam, and Mentallah M. M. A. Saad. 2023. "Additive Manufacturing in Metal Jewelry Industry: Analytical Study." *International Design Journal*. 13, no. 1. 141-150. DOI:10.21608/idj.2023.276147

Book Chapters

Peer Reviewed | International

McLemore, Duane and Steven Chodoriwsky. "Algorithmic Community Construction." in *The Co-Creation Sourcebook*, Edited by Mariana Popescu and Michaela Turrin. pp tbd. Delft: TU Delft, Rotterdam: Sticking Open Access Platform, forthcoming.

Books Edited

Peer Reviewed | International

Berry, Rob, Victor J. Jones, Michael P. Sweeney, Mimi Zeiger, and Duane McLemore, eds. *The LA Forum Reader: From the archives of the Los Angeles Forum for Architecture and Urban Design*. New York, NY: Actar Publishers, 2018.

Conference Working Groups Led

Peer Reviewed | International

McLemore, Duane and Steven Chodoriwsky. "Algorithmic Community Construction." With Contributions by: Dr. Diana Cristobal Olave, Dr. Mollie Claypool, Dr. Gilles Retsin, Dr. Theodora Vardouli, Joao Fiaderio, Steve Baer. September 2022

- July 2023. Presented at: CAAD Futures Conference 2023. TU Delft. Delft, Netherlands. July 2023.

Conference Presentations

Peer Reviewed | International

McLemore, Duane. "MO+RE House: a New Collaboration Model for Modular Housing". Paper Presentation. AMPS Research & Teaching Conference. Prague, Czech Republic. June 2025 (forthcoming).

McLemore, Duane, Diana Cristobal Olave "Towards Immediacy and Participation". Paper Presentation. CAADRIA Conference. Tokyo, Japan. March 2023 (forthcoming).

McLemore, Duane. "MO+RE House: A Sustainable, Resilient Housing Prototype". Paper Presentation. ACSA / AIA Research Conference. Austin, TX. January 2025.

McLemore, Duane. "The Space Groups and Collaborative Human Assembly". Paper Presentation. ARCC / EAAE Conference. Aarhus, Denmark. May 2024.

McLemore, Duane. "Algorithmic Community Construction". Presentation of Co-Creation Working Group and Workshop Outcomes. CAAD Futures Conference. Delft, Netherlands. July 2023.

McLemore, Duane, Kateryna Malaia, and Silvina Lopez-Barrera. "Housing Insecurity in Mississippi: Virtual Reality Documentation and Presentation". Paper Presentation. CAADRIA Conference. Ahmedabad, India. March 2023.

McLemore, Duane. "Transposing Marginalized Craft Traditions and Advanced Fabrication." Presentation of Workshop Outcomes. ACADIA Conference. Philadelphia, PA, October 2022.

McLemore, Duane. "Visualizing Space Group Honeycombs Using Modified Stereographic Projection." Paper Presentation. Design Communication Association Conference. Auburn, AL. October 2022.

McLemore, Duane. "Space Groups with Grasshopper". Presentation of Workshop Outcomes. CAAD Futures Conference. Los Angeles, CA. July 2021.

McLemore, Duane. "Space Group Symmetry Generation for Design: The Horta Component Library." Paper Presentation. ACADIA Conference. Online, October 2020.

Peer Reviewed | National

McLemore, Duane and Gines, Jacob. "Concrete Environments". Paper Presentation. BTES Conference. Online, June 2021.

Conference Posters

Peer Reviewed | National

Lopez-Barrera, Silvina, McLemore, Duane, and Ross, John. "The Unknowing of Outcome: The Exploration of Components and Structural Form in Architecture Foundations Studios." Poster Presentation. Building Technology Educators' Society Conference. Scottsdale, AZ, June 2023.

Installations

Peer Reviewed | International

McLemore, Duane. *Untitled*. CAAD Futures Conference. Los Angeles, CA. July 2021.

- Public display of the output of a 2.5 day collaborative fabrication workshop.

Conference Proceedings

Peer Reviewed | International

McLemore, Duane. "MO+RE House: A Sustainable, Resilient Housing Prototype". *Proceedings of the ACSA / AIA Research Conference 2025*. Forthcoming Mid-Late 2025.

McLemore, Duane. "The Space Groups and Collaborative Human Assembly." *Proceedings of the ARCC / EAAE International Conference 2024*. Architecture Research Centers Consortium, Inc. Forthcoming Early 2025.

McLemore, Duane, Malaia, Kateryna, and Lopez-Barrera, Silvina. "Housing Insecurity in Mississippi: Virtual Reality Documentation and Presentation." in *Proceedings of the 28th International Conference on Computer-Aided Architectural Design Research in Asia (CAADRIA 2023)*. Vol. 2. edited by: Immanuel Koh, Dagmar Reinhardt, Mohammed Makki, Mona Khakhar, and Nic Bao. pp.39-48. CAADRIA. Hong Kong, China. 2023.

McLemore, Duane. "Transposing Marginalized Craft Traditions and Advanced Fabrication." in *Hybrids and Haecceities: Proceedings of the 42nd Annual Conference of the Association for Computer Aided Design in Architecture*. edited by: Masoud Akbarzadeh, Dorit Aviv, Hina Jamelle, and Robert Stuart-Smith. p. 815. ACADIA. New York City, NY. October 2022.

McLemore, Duane. "Visualizing Space Group Honeycombs Using Modified Stereographic Projection." in *Proceedings of the Design Communication Association Conference 2022*. edited by: Kevin Moore and Gorham Bird. pp. 421-428. DCA. Bozeman, MT. 2022.

McLemore, Duane. "Space Group Symmetry Generation for Design: The Horta Component Library." in *ACADIA 2020 Distributed Proximities: Proceedings of the 40th Annual Conference of the Association for Computer Aided Design in Architecture, Volume 1*. edited by: Brian Slocum, Viola Ago, Shelby Doyle, Adam Marcus, Maria Yablonina, and Matias del Campo. pp. 848-857. ACADIA. New York City, NY. 2021.

Peer Reviewed | National

Lopez-Barrera, Silvina, McLemore, Duane, and Ross, John. "The Unknowing of Outcome: The Exploration of Components and Structural Form in Architecture Foundations Studios." in *Proceedings of the 2023 Building Technology Educators' Society Conference*. edited by: Giovanni Loreto and Liz Martin-Malikian. p.361. BTES. Moscow, ID. 2023.

McLemore, Duane and Gines, Jacob. "Concrete Environments." in *Proceedings of the Building Technology Educators Society Conference Vol. 2021*. Article 2. edited by: Mary English. BTES. Moscow, ID. 2022.

Abstracts Awaiting Acceptance

Peer Reviewed | International

Andrews, Megan and Duane McLemore "Architecture and Event: Visual Metaphors in *Hiroshima Mon Amour*". Architecture and Film Symposium. Kent State University. October 2025 (forthcoming).

Grants Awarded

Total After August 2019: \$46,001 and \$50,000***

Peer Reviewed | National

STTR Phase 1

Department of the Air Force

"Commercial Considerations for the Design, Engineering, Fabrication, and Construction of Parametric 3DCP Facades". April 2024 - Ongoing. Amount: \$33,001. 25% credit within MSU team. Co-PI with: Dr. Afshin Hatami (BCS), Dr. Jacob Gines (ARC), Syed Ahmed (BCS).

- Funded partial summer pay to work with Utah-based Pikus3d to develop digital tools to automate their 3d printed concrete workflows.

Solar Decathlon Build Challenge

National Renewable Energy Laboratory / Department of Energy "Approval to Proceed". June 2022. Amount: \$50,000***. MSU Solar Decathlon Team. Lead Faculty Advisor for Student Team.

- Receiving Approval to Proceed from NREL / DOE entitled the team to a \$50,000 award.
- ***The University opted not to continue the competition and turned down the award.

Peer Reviewed | MSU

Undergraduate Research Program

MSU Office of Research and Economic Development "Precisely Loose". Amount: \$2000. 2021-2022.

- Funded (4) Undergraduate Research Assistants to expand the use of 3d Printed Ceramics for architectural applications.

Hearin Foundation Fellowship

Robert M. Hearin Foundation

"Updating a Lost Mississippi State Tradition". Amount: \$3000. 2020-2021.

- Provided funding to purchase a 3d Potterbot Micro 10 Clay 3d Printer, print material, and glazes.
- Results of research exhibited at Pop-Up Shop at MSU's Idea Center in July, 2021 and available for sale there afterward.

Undergraduate Research Program

MSU Office of Research and Economic Development "3d Print Corps". Amount: \$2000. 2019-2021.

- Taught 2 day workshop to 20 undergraduate students in the basics of 3d printers and how to use them.
- Provided funding to purchase tool kits for the students to build and maintain 3d printers.

- Funded (2) Undergraduate Research Assistants to explore 3d Printed Ceramics.

Criss Trust

"Student Lounge". Amount: \$2000. 2021-2022.

- Funded fabrication of the Giles Hall Student Lounge Area based on winning entry to a student design competition.
- The application was made by Director Spence based on my suggestion that we pursue it for this use.

Grants to Organizations

Graham Foundation for Advanced Studies in the Fine Arts for *The LA Forum Reader*. Amount: \$10,000. 2013-18

- Authored a successful Graham Foundation grant application to support the publication of the *LA Forum Reader*, published in 2018 by Actar Publishers.
- Administered the grant until Board term expiration in December 2015.

Peer Reviewed | National

Art Works Grant

National Endowment for the Arts

for *The LA Forum Reader*. Amount: \$10,000. 2014-18

- Authored a successful NEA grant application to support the publication of the *LA Forum Reader*, published in 2018 by Actar Publishers.
- Administered the grant until Board term expiration in December 2015.

Grants Under Review

Peer Reviewed | MSU

Creative/Research Experience for Undergraduates (C/REU)

MSU | College of Architecture, Art, and Design "Of Icon and Event: Architecture Through the Lens of Film." Expected Notification: March, 2025. Amount: \$1,250. Co-Investigator (Faculty-Led) with student Megan Andrews.

- Proposed to provide funding for Megan to further develop research at the intersection of film and architecture.
- Currently preparing the abstract "Architecture and Event: Visual Metaphors in *Hiroshima Mon Amour*" for the October 2025 Architecture and Film Symposium.
- Megan will present her work at the Spring Undergraduate Research Symposium in April, 2025.

Creative/Research Experience for Undergraduates (C/REU)

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CAAD Matching Grants)

MSU | College of Architecture, Art, and Design.

"CoilCrafting - Computer-Controlled Clay Coiling at Architectural Scale." Expected Notification: February, 2025. Amount: \$3,000. Investigating non-planar 3d printing in clay.

Grants Declined

STTR Phase 2

Department of the Air Force

"Expeditionary 3D Concrete Printing with Advanced Camouflage Capabilities". Amount: \$540,000. 30% credit within MSU team. Co-PI with: Dr. Afshin Hatami (BCS), Dr. Jacob Gines (ARC), Syed Ahmed (BCS), Bimal Balakrishnan (CAAD).

- Proposed to fund full summer pay to develop an automated digital design and production workflow for concrete 3d printing in expeditionary operations.

Peer Reviewed | MSU

McLemore, Duane. "Material Craft in Digital Fabrication" Schillig Special Teaching Projects. Center for Teaching and Learning. \$3,000. 2022.

- Would have funded novel materials for student projects in Fall 2022 Topical Studio.

Franca, Frederico, Tamara Franca, Jacob Gines, Duane McLemore, and Seamus Freyne. "Wood Science for Architects, Engineers, and Builders". Advancing Collaborative Research Program. Office of Research and Economic Development. \$45,000. 2022.

- The goal of this proposed collaboration between the College of Forestry Resources, College of Architecture, Art, and Design, and the Bagley College of Engineering was to create a multidisciplinary team and coursework to encourage interactions among the colleges and outside institutions to maximize the global competitiveness of MSU and the state on advanced bio-based materials, etc.

Software Authored

Publicly Available

Horta. v0.4.0.

Released Through: Food4Rhino.com

Platform: Grasshopper for Rhino3d.

Development: 2019 - Ongoing.

Publication: 2024 - Ongoing.

- Grasshopper Component Library for the implementation of the Space Group Symmetries in computational design.
- 20 beta testers from 2020 - 2024 prior to public release.
- <https://www.food4rhino.com/en/app/horta>
 - Food4Rhino downloads as of 08/15/2024.
- Also available in the Rhino3d Package Manager
 - Package Manager downloads not trackable.

Private

Leafcutter. v0.1.0

Platform: Grasshopper for Rhino3d.

Development: 2024 - Ongoing.

- Component Library for separating large building features into print-sized panels for concrete 3d prints.
- Privately developed in partnership with Pikus3d.

Intellectual Property Recognized

Copyrighted Materials

McLemore, Duane and Katherine Voorhies. *Geoheart* Jewelry Design. US Library of Congress. Copyright #VA0002288453. Granted October 2021.

- Recognized by the Library of Congress as legally distinct design.
- Copyright sought for official legal recognition of our authorship in advance of the release of the movie *Uglies*.

Invention Disclosure

McLemore, Duane and Spurgeon Sanders. *MO+RE House Modularity Concept*. 2021-Ongoing

- Submitted to MSU Office of Technology Management November 2022.
- OTM acknowledged copyright-worthiness of the design of the modular system. No copyright sought to date.

Lectures and Presentations

Peer Reviewed | National

Symmetry in Form. . GWU Innovation Center. George Washington University. Washington, DC. February 2024. https://calendar.gwu.edu/event/dimensions_of_symmetry_with_duane_mclemore

Invited | National

Symmetry in Form. Natural Science and Mathematics Colloquium Series. St. Mary's College Maryland. St. Mary's City, MD. February 2024.

Peer Reviewed | Regional

USC Generation Next. Distinguished Alumni Presentations. University of Southern California. March 2018.

Curated | Regional

Questioning Parametricism in Landscape Architecture. Department of Landscape Architecture Lecture Series. California Polytechnic University Pomona. March 2014.

Invited | Local

Title Pending. Presentation. University of Southern California. Professional Pathways Class. Online. Upcoming: December 2024.

Toolmaking. Friday Forum. Tau Sigma Delta - MSU SIArc Chapter. November 2020. (Although this title is the same as previous talks, the content is different.)

Toolmaking. Job Talk. Mississippi State University. May 2019.

Toolmaking. Job Talk. University of New Mexico. March 2019.

Instruments and Speculation. Job Talk. Kansas State University. March 2018.

Panel Discussions

Invited | National

Graduate School Admissions Panel. NOMAS Conference 2018. Chicago, IL. October 2018.

Workshops

Peer Reviewed | International

Algorithmic Community Construction. CAAD Futures Conference 2023. 1 day. TU Delft. Delft, Netherlands. July 2023.

Transposing Marginalized Craft Traditions and Advanced Fabrication. ACADIA Conference 2022. 3 days. University of Pennsylvania. Philadelphia, PA and Online. October 2022.

Space Groups with Grasshopper CAAD Futures Conference 2021. Software Workshop: 2.5 days. Collaborative Installation Fabrication Workshop: 2.5 days. University of Southern California. Los Angeles, CA and Online. July 2021.

Invited | International

Alternative Forms of Practice. With the Architecture Lobby Los Angeles Chapter. At the Free School of Architecture. 4 hours. Los Angeles, CA and Online. June 2018.

Invited | Regional

Dimensions of Symmetry: A Collaborative Exploration of the Space Groups. GWU Innovation Center. 4 hours. George Washington University. Washington, DC. February 2024.

Exploring the Space Group Symmetries Through Physical Models. Chem 103 - General Chemistry. 3 hours. Saint Mary's College Maryland. St. Mary's City, MD. February 2024.

Computation and Curation - "Ten Easy Pieces". Corcoran School of Arts and Design. 1.5 Days. Washington, DC. April 2019.

NOMAS Portfolio Workshop. CalPoly SLO - Metro Studio. 1 Hour. Los Angeles, CA. January 2019.

Creative Practice Awards

Peer Reviewed | National

X Over Zero. "Featured Emerging Artists." *American Craft Retail Expo*. Philadelphia, PA. February 2018.

Creative Practice Featured

Geoheart Pendant - *X Over Zero Jewelry*
Featured in *Uglies*, a major Netflix feature released September 13, 2024. Over 60 million streams in the first 30 days. The

pendant has a very important function in the plot, driving the entire second act (no spoilers!).

Spike Collar and Bristle Bracelet - *X Over Zero Jewelry*
Our jewelry pieces were featured prominently in the popular mobile game *Holovista* by Aconite Studios, released September 2020 for iOS.

Holovista stats: 10k purchases. Nominated for or won many prominent awards (full list: <https://www.enterholovista.com>). Extensive media coverage (full list <https://www.saraecarr.com/#/holovista/>).

Cubit Necklace - *X Over Zero Jewelry*
Prominently featured in a fashion editorial in the September 2019 issue of legendary fashion magazine *l'Officiel Magazine* Vietnam edition. Photographer: Grayson Wilder. Model: Sydney Harper.

Spike Collar - *X Over Zero Jewelry*
Jewelry prominently featured in editorial spread in *Desnudo Magazine*. March 2017. Photographer: Grayson Wilder. Model: Morgan White. Stylist: Xavier Jones.

Works Exhibited

Invited | Regional

McLemore, Duane. "Recent Projects" In *Faculty Exhibition*. Curated by Jaccob Gines. Mississippi State University. Mississippi State, MS. March - April 2024.

McLemore, Duane. "Virtual Reality Documentation." In exhibition *Housing Insecurity in Mississippi*. Curated by Silvina Lopez-Barrera and Kateryna Malaia. Jackson State University. Jackson, MS. November 2022 - February 2023.

McLemore, Duane. "X Over 0 Jewelry." In exhibition *Small Scale Architecture Store*. Pop-Up Exhibition and Fundraiser Shop for Woodbury University. WUHO Gallery. Los Angeles, CA. December 2018 - January 2019.

McLemore, Duane. "X Over 0 Jewelry." In exhibition *USC Generation Next* - Distinguished Alumni Exhibition University of Southern California. Los Angeles, CA. March - April 2018.

McLemore, Duane and Katherine Voorhies. "X Over 0 Jewelry." *As Featured Emerging Artists*. At the American Craft Retail Expo. February 2018.

McLemore, Duane. "Recent Projects." Woodbury University. In *Faculty Exhibition*. Los Angeles, CA. Spring 2015.

McLemore, Duane. "Shamanic Geometry + Synthetic Cosmology". in *Master of Architecture Degree Show*. The Bartlett School of Architecture, University College London. London, England. October - December 2010.

Interviews / Features

Green, Kaleb. "X Over 0: Independent Starkville jewelers work together to make unique art." *WCBI TV*. October 26, 2024. Online and Live Television. <https://www.wcbi.com/independent-starkville-jewelers-work-together-to-make-unique-art/>

Lee, Evelyn. "X Over 0: Mixing Fashion, Design, and Technology." *Practice Disrupted Podcast*. October 02, 2024. Online. <https://>

[//practiceofarchitecture.com/2023/10/03/170-xover0-mixing-fashion-design-and-technology/](https://practiceofarchitecture.com/2023/10/03/170-xover0-mixing-fashion-design-and-technology/)

Dempsey, Allison. "Q&A With X Over 0: Designers of the 'Uglies' Geoheart Pendant." *Comicon.com*. September 17, 2024. Online. <https://comicon.com/2024/09/17/qa-with-x-over-0-designers-of-the-uglies-geoheart-pendant/>

Carskadon, James. "MSU Students Compete Nationally, Provide Impactful Experiences". *Alumnus Magazine - Mississippi State University*. Print and Online. Fall 2022. https://issuu.com/msstate/docs/msualumnus_fall2022_web.

"MSU team advances as finalist in U.S. Department of Energy Solar Decathlon Design Challenge". *Mississippi State University Website*. Online. April 2021. <https://tinyurl.com/48py9w74>

McNeal, Christie. "Our People: Duane McLemore" *Mississippi State University Website*. Online. August 2020. <https://www.msstate.edu/our-people/2020/08/duane-mclemore>

"Math Powered Jewelry" *Today in 3d Printing*. YouTube Series. May 2020. <https://www.youtube.com/watch?v=Zf--n8ND20g>

Gillette, Becky. "3d Printers Can Work While You Sleep". *Mississippi Business Journal*. October 2019. <https://tinyurl.com/a8wz4nwy>

"X Over 0". Interview / Feature. *Handmade Business Magazine*. January 2018. <https://handmade-business.com/handmade-business-march-2018/>

Ingalls, Julia. "What is the Value of Historic Drawings for the Future? The Exhibition 'Liminal Forms' Wants to Find Out". Interview. *Archinect*. June 2017. <https://tinyurl.com/spuhx2nz>

Media Mentions

Shaikhmag, Ada. "SLICED: Latest news from the 3D Printing Industry". *3d Printing Industry*. September 23, 2024. Online. <https://3dprintingindustry.com/news/sliced-latest-news-from-the-3d-printing-industry-5-232857/>

"Academy Alum's Jewelry Appearing in Netflix Feature". *Indiana Academy Alumni News*. September 10, 2024. Online. <https://academy.bsu.edu/2024/09/academy-alums-jewelry-appearing-in-netflix-feature/>

Exhibition Curation

Invited | Regional

McLemore, Duane and Mark Ericson, curators. *Liminal Forms: Works from the 2017 Degree Project Studio*. Location: WuHo Gallery. Los Angeles, CA. July - August 2017.

Invited External Critic

Since August 2019

Texas Tech University: 2024.
Lawrence Technological University: 2023.
Cal Poly Pomona: 2021, 2022 (all online).
Clemson University: 2021 (online).

Corcoran School of Art and Design: 2021 (online).
University of Southern California: 2021 (online).
Woodbury University: (all online) 2019, 2020, 2021, 2022, 2023, 2024.

Before August 2019

Bartlett School of Architecture, University College London. Cal Poly Pomona. Cal Poly San Luis Obispo. East Los Angeles College. Kansas State University. Los Angeles Institute for Architecture and Design. Otis College of Art and Design. Pasadena City College. Southern California Institute of Architecture. University of California Los Angeles. University of Southern California. Woodbury University.

Professional Education and Training

GPU Cluster Onboarding Training. *MSU High Performance Computing Center*. 2024.

Continuing Education. *California Architects' Board*. 2023.

- 5 hours Americans with Disabilities Act (ADA).
- 5 hours Zero Net Carbon Design (ZNCDD)

Continuing Education. *California Architects' Board*. 2021.

- 5 hours Americans with Disabilities Act (ADA).

Teaching

Teaching Awards

"Tau Sigma Delta Faculty Book Award".
Tau Sigma Delta - MSU S|Arc / CAAD Chapter. 2021-22.

- Awarded through a vote of the 3rd and 4th year students of the S|Arc for the professor who impacted them most.

"Excellence in Teaching Award".
Woodbury University Student Senate. 2017-18.

- Awarded through a vote of the students of the School of Architecture for the S|Arc for the professor who contributed the most to their education.

Student Awards and Successes

Nada Abdel-Aziz. "Research Merit Award". *World Landscape Architecture Student Awards*. December 2023.

Brasfield and Gorrie 2.

Murray, Luke. "Japanese Joinery and Computer Numerical Control". *Architectural Research Centers Consortium Conference*. April 2023.

- Poster Presentation - work from Fall 2022 Studio 4a.

Rounds, Charles. "Design Award". *Poole and Company Design Awards*. February 2024.

- Chosen from within the Fall 2023 Studio 4a section.

Robinson, Toussaint. "Honorable Mention". *Poole and Company Design Awards*. February 2024.

- Chosen from within the Fall 2023 Studio 4a section.

Murray, Luke. "Design Award". *Line Scape Form Design Awards*. January 2023.

- Chosen from within the Fall 2022 Studio 4a section.

Jaggers, JD. "Honorable Mention". *Line Scape Form Design Awards*. January 2023.

- Chosen from within the Fall 2022 Studio 4a section.

Brasfield and Gorrie 1.

MSU Solar Decathlon Team. "Approval to Proceed". *Solar Decathlon Build Challenge*. Department of Energy - National Renewable Energy Lab. June 2022.

- Competition Entry approved to proceed from Design Phase to Build Phase of the 2021-23 Build Challenge.
- Entitled University to \$50,000 in Prize Money from the Department of Energy.

MSU Solar Decathlon Team. "Finalist". *Solar Decathlon Design Challenge*. April 2021.

- Competition Entry selected as one of ten finalists in the Single Family Attached Housing category as part of the 2020-21 Design Challenge.

DeLisle, William and Daniel Knoll. "1st Place."

Eisner, Audrey and Dany Morales. "2nd Place."

Rice, Kristin and Mileena Slade. "3rd Place."

Concrete Environments Student Competition. Fall 2019.

- Sponsored by Pikus Concrete.
- Competition within Studio 3a.
- Daniel, Audrey, Dany, Kristin, and Mileena were all from my Studio section.

Lee, Hanshi and Jesse Gomez. "Honorable Mention" *ACSA / AISC Steel Competition*. 2018.

- Project: *Kara Walker Museum*.

Chatman, DaJshey. "Critics' Choice" *Woodbury University Undergraduate Thesis Exhibition*. 2017.

- Chosen from the Graduating Bachelor of Architecture Class of 2017 by vote from the Woodbury University Faculty.

Snow, Philip. "Dean's Award" *Woodbury University Undergraduate Thesis Exhibition*. 2017.

- Chosen from the Graduating Bachelor of Architecture Class of 2017 by the Dean of the School of Architecture, Ingalill Walhroos-Ritter.

"The Vernon City Project". Exhibition and Catalog. *International Architecture Biennial Rotterdam*. 2014.

- As part of the Los Angeles Forum team.
- The LA Forum as sponsor organization, with students and Faculty from Cal Poly Pomona Department of Landscape Architecture and East Los Angeles College Department of Architecture.

Course Instruction

* *Individually-Taught Studio*

** *Studio Coordinator*

*** *Fully or partially delivered in Hybrid mode*

Mississippi State University

Graduate Students Advised

Baugus, Bryant. "Use of Digital Imaging Tools in Professional Landscape Offices". Graduate Thesis Committee. Master of Landscape Architecture. Mississippi State Department of Landscape Architecture. 2024.

Abdel-Aziz, Nada. "Script-Based Design Toolkit for Digitally Fabricated Concrete Applied to Terrain-Responsive Retaining Wall Design". Graduate Thesis Committee. Master of Landscape Architecture. Mississippi State Department of Landscape Architecture. 2023.

Fall 2025

ARC 4546 - Studio 4b | Taught with Annette Vise and Jacob Gines**

ARC 2213 - Representation 1 | Lead Instructor** - taught with Garrett Grelle

Fall 2025

ARC 1536 - Studio 1a | Taught with Gokul Nair and Aaron White**

ARC 4990 - Representation 1 (Special Topics) | Lead Instructor** - taught with Gokul Nair

Spring 2024

ARC 2546 - Studio 2b | Taught with John Poros and John Ross**

ARC 4990 - Digital Representation | Special Topics

ARC 4000 - Directed Independent Study | Yin (Matt) Wong

Fall 2023

ARC 4536 - Studio 4a | Topical Studio*

Spring 2023

ARC 1546 - Studio 1b | Taught with Silvina Lopez-Barrera**

HON 4003 - Oxbridge Tutorial | Ellen Overstreet

Fall 2022

ARC / BCS 2713 - Environmental Building Systems 1

ARC 4536 - Studio 4a | Topical Studio*

Spring 2022

ARC 1546 - Studio 1b | Taught with Silvina Lopez-Barrera** and Karen Spence

ARC 4000 - BarnWorks | Directed Individual Study with the Editor, Jane Kent

ARC 4000 - Solar Decathlon Team Lead | Directed Individual Study with Solar Decathlon Architecture Team Lead Spurgeon Sanders

ARC 4990 - Solar Decathlon Build Competition | Special Topics

Fall 2021

ARC | BCS 2713 - Passive Building Systems

ARC 1536 - Studio 1a | Taught with Hans Herrmann** and Karen Spence

ARC 4000 - BarnWorks | Directed Individual Studies with the Editor, Jane Kent

ARC 4000 - Solar Decathlon Team Lead | Directed Individual Study with Solar Decathlon Architecture Team Lead Spurgeon Sanders

Spring 2021

ARC 2546 - Studio 2b | Taught with John Poros** and Kateryna Malaia

ARC 4000 - BarnWorks | 6 Directed Individual Studies with the Staff of the Publication

Fall 2020

ARC | BCS 2713 - Passive Building Systems***

ARC 1536 - Studio 1a *** | Coordinated** - taught with Hans Herrmann and Fran Pharis

Spring 2020

ARC 2546 - Studio 2b *** | Coordinated** - taught with Hans Herrmann and Richard Chenoweth

Fall 2019

ARC | BCS 2713 - Passive Building Systems

ARC 3536 - Studio 3a | Taught with Jacob Gines** and John Ross

Woodbury University**Spring 2019**

Arch 384 | Studio 3b

Arch 492 | Degree Project Studio | Co-Taught with Mark Ericson

Fall 2018

Arch 120 | Contemporary Architecture Culture

Arch 281 | Studio 2a

Arch 2742 / 6712 | Grasshopper Workshop (Intensive)

Spring 2018

Arch 384 | Studio 3b | Coordinated**

Fall 2017

Arch 120 | Contemporary Architecture Culture

Arch 281 | Studio 2a

Spring 2017

Arch 492 | Degree Project Studio | Co-Taught with Mark Ericson

Fall 2016

Arch 281 | Studio 2a

Spring 2016

Arch 283 | Studio 2b

Spring 2015

Arch 211b | Design Communication II | Co-Taught

Arch 283 | Studio 2b

Pasadena City College**Spring 2017**

Arch 013 | Portfolio Preparation

Arch 022a | Professional Practice: Construction Documents and Building Information Management

Fall 2016

Arch 010a | Design Fundamentals

Arch 013 | Portfolio Preparation

Summer 2016

Arch 014 | Materials and Processes of Construction

Spring 2016

Arch 022a | Professional Practice: Construction Documents and Building Information Management

Fall 2015

Arch 012a | Design Communication I

California State Polytechnic University - Pomona**Fall 2014**

Arch 203a | Design Studio 2a

Spring 2014

Arch 103c | Design Studio 1c

Teaching Assistantships

ARCH 314: Architectural Theory | Dr. Diane Ghirardo | 2003

Service**Service - Mississippi State University**

Lead Faculty Advisor

MSU Solar Decathlon Team. August 2021 - August 2023

University Library Committee

Chair. May 2023 - Current.

Member.* August 2020 - Current.

Subcommittees: Mission Statement (2022).

*Elected to represent the College of Architecture, Art, and Design.

Member

University Data Science Committee.

November 2021 - May 2024.

Subcommittees: GPU Computing (2022).

Assessment and Accreditation (2022-2024)

Service - College of Architecture, Art, and Design

Representative

Group 7 Representative to Library | August 2020 - June 2023
(Role ended)

Committee Member

CAAD Data Science Committee | November 2021 - Current

Task Force Member

Building Task Force | February - December 2020
Bachelor of Arts Task Force | January - December 2021
CAAD Library Task Force | September 2023 - May 2024

Service - School of Architecture

Lecture Committee

Chair. April 2023 - Current.

Member. August 2019 - Current.

Member. Assessment Committee. August 2023 - Current.

Member. Shop and Fabrication Committee.
August 2019 - Current.

Subcommittee Member. S|Arc Library Subcommittee.
August 2019 - Current.

Representative. Architectural Research Centers Consortium.
December 2022 - Current.

Curriculum Committee

Member. August 2021 - May 2022.

Interim Member. August - December 2020.

Member. S|Arc Strategic Plan Committee.
August 2019 - May 2020.

Subcommittee: Student Outreach. January - May 2020.

Search Committees. Faculty Search - 2020-21(1), 2020-21(2),
2021-22. Director Search - 2020-21.

Faculty Advisor

MSU Solar Decathlon Architecture Team. August 2020 - August
2021, August 2023 - Present

Tau Sigma Delta Honor Society. May 2023 - Current

Queer Students of CAAD (QCAAD). May 2023 - Current

Co-Advisor

Tau Sigma Delta Honor Society. August 2022 - May 2023

Faculty Sponsor

Woodbury University NOMAS Chapter. August 2017 - August
2019

Service - Peer Review

Scientific Review Committee. Association of Computer-Aided
Design in Architecture (ACADIA). 2018 - Current.

Conference Paper Reviews. Building Technology Educators'
Society (BTES). 2021.

(3) Chapter Reviews. *Animating Guarini.* For author Mark
Ericson. 2021.

Conference Paper Review. National Conference on the
Beginning Design Student. 2021.

Journal Paper Reviews. Journal of Architectural Education (JAE)
72 no. 2. 2018.

Panel Paper Reviews. *The First Hundred Days.* Association of
Collegiate Schools of Architecture (ACSA) Conference. March
2018.

Service - Professional

NCARB *Think Tank* - 2018-19

Los Angeles Forum for Architecture and Urban Design

Vice President | January 2014 - December 2015

Co-Chair | Strategic Plan Committee | January - December 2014

Vice President for Development | January 2012 - December
2013

- Managed multiple successful applications to local, state,
national, and international grants
- Managed successful yearly membership drives

Board of Directors | October 2010 - December 2015

- Lecture Committee | helped plan and manage 16 lectures
- Gallery Committee | helped plan and manage 10 exhibitions
- ForumFest Committee | helped plan and manage 3
fundraisers

Gallery Manager - WUHO Gallery | May - August 2009

Volunteer Coordinator | August 2007 - August 2009

Volunteer | August 2006 - August 2009

Computation and Advanced Fabrication

Software

Expert

Rhino3d - 18 yr | VRay - 15 yr | Revit - 12 yr | AutoCAD - 25 yr |
Photoshop - 28 yr | Illustrator - 24 yr | InDesign - 20 yr | Office -
28 yr | Teamwork PM - 9 yr | Cura - 9 yr | Chitubox - 5 yr |
Sketch-Up - 21 yr

Advanced

PreForm - 2 yr | NetFabb - 8 yr | Zotero - 6 yr | Visual Studio - 6
yr | VS Code - 5 yr

Intermediate

Premiere - 6 yr | AfterEffects - 6 yr | Git - 5 yr

Other

3ds Max - Maya - Maxwell

Advanced Fabrication and Visualization

FDM 3d Printing - 12 yr | Resin 3d Printing - 5 yr | Clay 3d
Printing - 3 yr | XY Plotter - 5 yr | Laser Cutter - 9 yr | Vuse+ VR
Camera - 2 yr

Programming Languages

Expert

Grasshopper - 12 yr

Advanced

C# - 6 yr | LaTeX - 5 yr

Intermediate

HTML - 18 yr | Processing - 14 yr | Arduino - 5 yr | Python - 5 yr

Languages Spoken

English - Native

German - Intermediate Speaking, Listening, Reading

Dutch - Intermediate Speaking, Listening, Reading