

Jason Christopher Carley

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Curriculum Vitae

Education

2020-2023	University of Notre Dame <i>MFA Industrial Design</i> Thesis: "Low-Impact Production with Bioplastic Composites" Thesis Advisor: Ann-Marie Conrado GLOBES Fellow in Environment and Society	Notre Dame, IN
2005-2010	University of Notre Dame <i>BA Industrial Design</i> <i>BS Mechanical Engineering</i> JJ Reilly Award for Degrees in Science and the Arts	Notre Dame, IN

Academic Positions

2023-present	University of Notre Dame <i>Assistant Professor of Industrial Design (Tenure-Track)</i> Department of Art, Art History and Design, College of Arts and Letters <i>Founding Director: NewMATTER Design Lab</i> <i>Associate Faculty Director: INDustry Labs</i>	Notre Dame, IN
2019	Northwestern University <i>Adjunct Lecturer</i> Segal Design Institute, McCormick School of Engineering	Evanston, IL

Professional Positions

2020-present	Jason Carley Design <i>Principal and Owner</i> Independent design and engineering consultant helping clients improve the safety and sustainability of products through efficiency gains, manufacturing methods, and technology integration.	South Bend, IN
2016-2020	Optimal Design Co. <i>Lead Industrial Designer and Project Manager</i> Served as a product innovation consultant, developing next-gen technology solutions for medical, industrial, and consumer applications. In addition to technical contributions, provided project management to over \$700K of NRE, research, concept development, and prototyping for multidisciplinary Design and Engineering teams.	Chicago, IL
2013-2016	mHub (formerly Catalyze Chicago) <i>Co-Founder, Director of Services</i> Member of the founding team behind Chicago's leading incubator for hardware startups. Led the development of Catalyze's services and operations and served as its first Director. Managed brand identity, messaging, programming, member services, grant funding, and established strategic partnerships with industry partners, manufacturers, academic institutions, and the offices of the City of Chicago.	Chicago, IL

2010-2013	Insight Product Development <i>Industrial Designer</i> Served as a design consultant, specializing in the development of products for the industrial, medical and surgical fields.	Chicago, IL
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Research and Scholarship

As an industrial designer, I work to improve the sustainability of designed objects and our built environment. Through my practice, I analyze consumer behavior and combine experimental biomaterials, digital prototyping techniques, and data visualizations to propose novel solutions to industrial challenges.

Published Works

2026	Carley, J. , Harris, E. "With Hand and Mind: The Cognitive Value of Making after the Birth of AI". <i>Design Studies (Elsevier)</i> . (2026) (Submitted) Impact Factor 4.8 at Submission, ISSN: 1872-6909	Peer-Reviewed Journal International
2025	Hu, M., Carley, J. , Nouri, A., Ghorbany, S., "Bayesian Ex-Ante LCA of Bio-Based Materials: Uncertainty in Scale-Up from Pilot to Industry". <i>Resources, Conservation & Recycling (Elsevier)</i> . (2025) (Submitted) Impact Factor 10.9 at Submission, ISSN: 1879-0658	Peer-Reviewed Journal International
2025	Carley, J. "Analysis Techniques for the Sustainability of Product Design Concepts". <i>Design Research Society (DRS)</i> . Special Interest Group (EdSig). Principles and Methods. (2025) (In-Press)	Peer-Reviewed Conference Paper London, UK
2024	Carley, J. "Form Follows Fiber - A Case Study for a Low-Carbon Bioplastic Chair: Prototyping Methods for Biomaterials Manufacturing". <i>Industrial Designers Society of America</i> . Education Symposium (2024)	Peer-Reviewed Journal Herndon, VA
2024	Cited in: Green Products Award Committee (2024). <i>Green Trend Book 24</i> . Edition 11: The Future is Now. "New Materials". pg. 50	Book Citation Berlin, Germany
2021	Cited in: Industrial Designers Society of America. <i>Innovation Quarterly</i> . Fall 2021. "Mix Your Own Household Cleaners"	Periodical New York, NY

Refereed Conference Presentations & Proceedings

2026	Carley, J. , Harris, E. (2026, February 22-25). "With Hand and Mind: The Cognitive Value of Making after the Birth of AI". Paper Presentation at the Twentieth International Conference on Design Principles and Practice . (<i>Upcoming</i>)	Editor-Reviewed Conference Rome, IT
2025	Carley, J. (2025, October 22-23). "Upcycling Agricultural Residue into Low-Carbon Construction Materials". Just and Circular Future in the Materials Industries. Individual Presentation at the National Sustainability Society .	Editor-Reviewed Conference Notre Dame, IN
2025	Carley, J. (2025, April 11-12). "Mimicking Nature to Produce Renewable, Low-Carbon Construction Materials". Individual Paper Presentation at the Fifteenth International Conference of the Constructed Environment . Proceedings: ISBN 978-1-966214-68-7 One of three presenters on emerging methods in an event with 54 presenters from 19 countries.	Editor-Reviewed Conference Berlin, Germany
2024	Carley, J. , Conrado, A., Kang, M., Fang, S. (2024, September 12). "Design Meets the Real World". Invited Panel Presentation and Moderator at the IDSA International Design Conference (IDC) Moderator and panelist. One of 23 presentations during the three-day conference. This is the flagship event of our discipline's US association, the Industrial Designer's Society of America (IDSA). Founded in 1965, the IDSA has over 3200 members, 28 regional chapters, and a mix of practitioners and educators. Presenters selected after peer-juried paper submission.	Peer-Reviewed Conference Austin, TX

2024	Carley, J. (2024, March 13). "Form Follows Fiber - a Case Study for a Low-Carbon Bioplastic Chair: Prototyping Methods for Greener Manufacturing". Innovation Showcase and Individual Presentation at the Eighteenth International Conference on Design Principles and Practice . Proceedings: ISBN 978-1-963049-46-6 One of only five "Innovation Showcases" among 153 Presentations from 34 countries.	Editor-Reviewed Conference Valencia, Spain
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Awards and Honors

2024	International Green Products Award 2024 New Materials - Nominee "The Fiber Chair" After being reviewed for aspects of design, innovation & sustainability, selected as one of 275 Nominees out of 1500 entries from 54 countries. Among the judges were scholars from institutions and businesses leading in sustainability, like Parsons, Munich, Hamburg, Lund, Tsinghua, IKEA and the Centre for Sustainable Design.	Competition International, Peer-Juried	Berlin, Germany
2023	New Talent Awards - Silver Graphis "Flows and Footprints"	Competition National, Peer-Juried	New York, NY
2022	Core 77 Design Awards - Runner Up Transportation Category "RV-2035: Escape Into Nature"	Competition International, Peer-Juried	New York, NY
2022	Chicago Athenaeum Good Design® Award Electronics Category "Jump / Limitless Flight"	Competition International Peer-Juried	Chicago, IL
2022	Thea Award for Outstanding Achievement Themed Entertainment Awards (TEA) Connected Immersion Category - "Jump / Limitless Flight"	Competition International Peer-Juried	Orlando, FL
2021	International Design Excellence Award - Silver Industrial Designers Society of America "Mix Your Own" Household Cleaners	Competition International, Peer-Juried	New York, NY
2021	Best in Innovation - Consumer Electronics Show (CES) Smart Home Category "myQ Pet Portal"	Honor International Peer-Juried	Las Vegas, NV
2019	Medical Design Excellence Award - Gold Abbott Diabetes Care "Freestyle Libre"	Competition International Peer-Juried	Minneapolis, MN
2019	Prix Galien Award Best Medical Technology "Freestyle Libre"	Competition International Peer-Juried	New York, NY
2017	Good Design (G-Mark) Award Abbott Diabetes Care "Freestyle Libre"	Competition International Peer-Juried	Tokyo, Japan
2015	Forbes 30 Under 30 - Finalist Manufacturing and Industry "Catalyze Chicago"	Honor Peer-Nominated Peer-Juried	New York, NY

Patents

2025-12-15	University of Notre Dame Method for Producing Natural Fiber-Based Bioplastic Composites Prior Art search completed, provisional patent to be filed in Q1 2026	ND 26-026 Proposal Accepted by IDEA Center	Notre Dame, IN
2025-07-15	The Home Depot Support Assembly for a Grill	USD1083479S1	Chicago, IL
2023-10-03	The Home Depot Collapsible Grill	US11771262B2	Chicago, IL
2023-07-25	Rauland Borg Touch Screen Device	USD993237S1	Chicago, IL
2022-08-30	The Home Depot Ornamental Design for Grill	USD961984S1	Chicago, IL
2020-08-11	The Sherwin Williams Company Paint Brush and Manufacturing Method	US10736411	Chicago, IL
2013-11-26	Abbott Diabetes Care Medical Device Insertion	USD694397	Chicago, IL
2012-08-14	Carson Optical Cover for a Telescopic Sight	US8240076	Hauppauge, NY
2012-01-03	Carson Optical Ornamental Design for Binoculars	USD651629	Hauppauge, NY
2011-10-18	Carson Optical Game Bird Carrier	USD647255	Hauppauge, NY
2009-12-22	Carson Optical Pouch for a Cloth	USD606300	Hauppauge, NY

External Funding and Investment

2025	LIFT Initiative - Regional Engagement Seed Grant Lilly Foundation, Thor Motor Coach "Scaling Innovative Bio-Composites to Advance Regional Eco-Manufacturing" Carley, J., Hartley, S., Burks, G. Serving as PI in this multidisciplinary project with Biochemistry and Architecture to improve the market-readiness of natural composites. I lead the project's scope, personnel, budget, timeline, design-related research, and interactions with industry partners.	Grant \$100,000 Awarded	Indianapolis, IN
2025	United States Department of Agriculture Urban Tree Nursery Network Grant, City of South Bend Hu, M., Carley, J. , Ghorbany, S., Dale B., McGuire P., McVay A. "Mapping the Urban Heat Index in the City of South Bend" Serving as supporting partner and design lead to fabricate and deploy environmental sensors on municipal trucks in the City of South Bend. The sensors gather data to inform an interactive dashboard and urban tree-planting initiative.	Supporting Partner \$20,000 Awarded	Washington, DC
2024	Americorp Sponsored Program and Workshop Series "Building Habitats for our Common Home" Youth Program - After School	Supporting Partner \$2500 Funded	Indianapolis, IN

2016	US Economic Development Administration I6 Regional Innovation Strategies Program "Catalyze Chicago" and World Business Chicago	Grant \$500,000 Awarded	Washington, DC
2015	The Manufacturing Innovation Hub - Lead Partner Economic Development Initiative World Business Chicago, ISTC, UI Labs Initiative to create a new business entity, sponsored by the City of Chicago, that absorbed and scaled our nonprofit "Catalyze Chicago" into the Manufacturing Innovation Hub, now known as "mHub".	Public-Private Partnership	Chicago, IL

Invited Presentations, Workshops, and Critiques

2026	Washington University The Sam Fox School of Design & Visual Arts MFA Program Guest Lecturer (<i>Upcoming, Spring 2026</i>)		St. Louis, MO
2025	University of Texas at San Antonio School of Architecture and Planning <i>Place, Identity, Modernity, and Tradition</i> Lecture Series Guest "Can Production be Productive" Research and Practice Presentation "Designing in Material" Bioplastics Workshop Host Presented to an audience of over 150 faculty, students, and community attendants in the historic Coates Chapel of the Southwest School of Art. Also led twenty students in a workshop to create bioplastics from upcycled material.		San Antonio, TX
2025	The City of South Bend Department of Innovation & Technology, Office of Sustainability Urban Heat Island Study Findings and Policy Debrief		South Bend, IN
2025	Just Transformations to Sustainability Midwest Platform for Sustainability Research and Curricular Innovation "An Affordable and Renewable Method for Insulating Homes with Sustainable Materials" With Dr. Ming Hu. Presentation to 13 external delegates representing Purdue; Indiana; Ohio State; Michigan State; Washington University in St. Louis; and the Universities of Michigan, Wisconsin, Illinois, and Minnesota.		Notre Dame, IN
2025	Thor Motorcoach Advanced Materials Group Sustainable Materials Research Presentation Hosted at NewMATTER Lab		Notre Dame, IN
2025	Under Armour Research and Innovation Leadership Sustainable Materials Research Presentation Hosted at NewMATTER Lab		Notre Dame, IN
2025	Virginia Tech College of Architecture, Arts and Design Research Presentation to Applied BioDesign Undergraduate Thesis Guest Critic		Blacksburg, VA
2025	University of Louisiana at Lafayette School of Architecture and Design, Senior Class "Sustainable Product Design and Perspectives on Research"		Lafayette, LA
2024	ViewRail iNDustry Labs and ViewRail Customer Experience Leadership Research Presentation		South Bend, IN

2023	Lehigh University Department of Art, Architecture, Art History and Design: "Industrial Design for Sustainable Futures" PD2: Intermediate Design Studio: Sustainability Workshop	Bethlehem, PA
2016-2019	Northwestern University McCormick School of Engineering Capstone Project Industry Critic for 2016, 2017, 2018, and 2019	Evanston, IL
2017	Marquette University and Milwaukee Institute of Design Research Presentation, Co-presented with John Jacobson, Shur-Line "Ergonomics in Session"	Milwaukee, WI
2013-2016	School of the Art Institute of Chicago Masters of Design in Designed Objects Portfolio Presentation and Workshop Graduate Studio Guest Critic for 2013, 2014, 2015, and 2016	Chicago, IL
2015	University of Illinois at Chicago Senior Design Studio Crowdfunding and Prototyping Workshop	Chicago, IL
2013	University of Illinois at Chicago Architecture, Design and the Arts Industry Mentor and Portfolio Critic	Chicago, IL
2013	IIT Institute of Design MBA Program Design Thinking Workshop Host and Lecture	Chicago, IL
2012	Columbia College Industrial Design Senior Class Design Thinking Workshop Host and Lecture	Chicago, IL

External Press and Editorials

2025	ABC 57 "South Bend garbage trucks collecting more than just trash this summer" By David Caulfield, Aired September 9th 2025, Urban Heat Islands	South Bend, IN
2025	CBS WSBT "South Bend garbage truck upgrades track dangerous heat levels" By Kyland Hall, Aired September 5th 2025, Urban Heat Islands	South Bend, IN
2022	Apartment Therapy "You Can Let Your Dog Out With Your Phone Thanks To This Smart Doggie Door" By Abby Monteil, Published Nov. 27, 2022, MyQ Pet Port	New York, NY
2022	The Verge "Why Chamberlain Built a \$3,000 Automatic Garage Door For Your Dog" By Sean Hollister, Published Jan. 11, 2021, MyQ Pet Port	New York, NY
2022	Wallpaper* "Caravans and Travel Trailers Enjoy a Welcome Design Renaissance" By Jonathan Bell, Published Dec. 31, 2021, RV-2035	Bath, UK
2021	Springwise Innovation "A Towable Trailer In Tune With Nature" By Lisa Magloff, Published Oct. 25, 2021, RV-2035	London, UK
2021	Auto Evolution "RV2035 Proposes a Teardrop Trailer That Explodes Into a Full-Size RV" By Elena Gorgan, Published Oct. 03, 2021, RV-2035	Houston, TX

2021	Modern Campground "Sustainable Teardrop Trailer That Unwraps Into Full-Sized RV" Published Oct. 07, 2021, RV-2035		Dublin, OH
2021	Yanko Design "This Self-Sustainable Expanding Trailer Is A Complete Solution Designed For Urban Nomads" By Gaurav Sood, Published Sept. 30, 2021, RV-2035		Milan, IT
2021	Martha Stewart "The Best Binoculars for Birdwatching" By Roxanna Coldiron, Updated Mar. 09, 2023, Carson 3D-Series Binoculars		New York, NY
2020	Forbes "Wellness Travel Gets A High-Tech Upgrade" By Jennifer Leigh Parker, Published Feb. 17, 2020, Sensync		New York, NY
2019	Trend Hunter "The Vessel Combines Mixed Reality and Therapeutic Technology" By Laura McQuarrie, Published Dec. 28, 2019, Sensync		Toronto, CA
2016	Chicago Tribune "Chicago and Catalyze launch mHUB, a new home for upstart manufacturers" By Ally Marotti, Published Aug. 10, 2016, Catalyze Chicago		Chicago, IL
2015	Alliance for American Manufacturing "Catalyzing Manufacturing in the Windy City" By Elizabeth Brotherton-Bunch, Published Jan. 27, 2015, Catalyze Chicago		Washington, DC
2015	The Business Journals "Builders Build: Catalyze Chicago, the Shared Space for Hardware Entrepreneurs, Keeps Growing" By Will Flanagan, Published Aug. 13, 2014, Catalyze Chicago		Washington, DC
2014	Chicago Tribune "Catalyze Chicago" By James Janega, Published Jun 17, 2014, Catalyze Chicago		Chicago, IL
2014	Crain's Chicago Business "A Machine-Friendly Co-working Space" By Robert Loerzel, Published July 12, 2014, Catalyze Chicago		Chicago, IL
2014	WYCC PBS Chicago "In The Loop" E.3.12 "Digital Manufacturing", Catalyze Chicago		Chicago, IL
2011	Outside Magazine "Gear of the Year - Binoculars" Published Apr. 18, 2011, Carson 3D-Series Binoculars		Santa Fe, NM

Exhibitions and Installations

2023	The South Bend Museum of Art <i>MFA Thesis Show, "Making in Circles"</i>	Exhibition Group	South Bend, IN
2019	The Four Seasons Resort at Ko Olina Naupaka Spa & Wellness Center, "Sensync"	Installation Team	Oahu, HI
2017	ABC's Shark Tank Product Appearance "Guard Llama"	Televised Exhibition Team	Los Angeles, CA
2016	TBS's America's Greatest Makers Product Appearance "NWTN Wearable Concussion Sensor"	Televised Exhibition Team	Atlanta, GA

2015	50 on Fire - Chicago Inno <i>Startup Showcase, "Catalyze Chicago"</i>	Exhibition Group	Chicago, IL
2015	Technori Pitch Chase Auditorium, 10 S. Dearborn St. "Guard Llama", "Mobile Therm"	Exhibition Group	Chicago, IL

Products and Services Brought to Market

Professional Collaborations

2024	Hello Robot Inc "Stretch 3"	Jason Carley Design	South Bend, IN
2021	Limitless Flight "Jump Virtual Reality HMD"	Optimal Design	Chicago, IL
2021	Chamberlain "PetPort"	Optimal Design	Chicago, IL
2020	Lightband "Wide-Beam LED Headlamp"	Optimal Design	Chicago, IL
2020	Knox Safety "Carbon Monoxide (CO) Alarm"	Optimal Design	Chicago, IL
2019	Sysmex "XN-9100 Workstations"	Optimal Design	Chicago, IL
2019	Sensync "The Vessel"	Optimal Design	Chicago, IL
2019	Optimal Trax "User Interface"	Optimal Design	Chicago, IL
2019	Magnetrol "GWR Level Sensor"	Optimal Design	Chicago, IL
2019	The Home Depot "Charcoal Grill"	Optimal Design	Chicago, IL
2019	Fresenius Kabi "Amicore Apheresis System"	Insight PD	Chicago, IL
2018	Careband "LORA Wearable"	Optimal Design	Chicago, IL
2017	Grayhill "Touch Encoder (TE-M32M5)"	Optimal Design	Chicago, IL
2017	Shurline "Pad Painter"	Optimal Design	Chicago, IL
2016	The Void "Virtual Reality System"	Optimal Design	Chicago, IL
2016	mHub (Catalyze Chicago)	Catalyze Chicago	Chicago, IL
2016	Abbott Diabetes Care "Freestyle Libre Inserter"	Insight PD	Chicago, IL
2015	Guard Llama "Personal Safety Wearable"	Independent	Chicago, IL
2015	West Pharmaceutical "SmartDose"	Insight PD	Chicago, IL
2014	Fenwal "Autopheresis System"	Insight PD	Chicago, IL
2013	Tech Lighting "Gatica Luminaires"	Insight PD	Chicago, IL
2013	AMI Purdue "Mini-Mass Spectrometer"	Optimal Design	Chicago, IL
2011	Brownline "Digital Angle Gauge"	Insight PD	Chicago, IL
2010	Carson "3D-Series Binoculars"	Carson Optical	Hauppauge, NY
2009	Carson "3D Series Riflescope"	Carson Optical	Hauppauge, NY
2009	Carson "Scope-Armor"	Carson Optical	Hauppauge, NY
2009	Carson "Bino-Armor Carrying Case"	Carson Optical	Hauppauge, NY
2009	Carson "Game Bird Carrier"	Carson Optical	Hauppauge, NY
2009	T-Grip Barbell "T-Grip Barbell"	Independent	Hauppauge, NY
2008	Carson "Stuff-It Lens Cleaner"	Carson Optical	Hauppauge, NY

Internal Press and Editorials

2025	University of Notre Dame - Notre Dame Research "Collecting more than trash: Researchers equip local garbage trucks to gather data on urban heat island effect" By Carrie Gates, Published August 28, 2025	Notre Dame, IN
2025	University of Notre Dame - Office of Public Affairs and Communications "Habitat partnership bears fruit for homebuyers in South Bend" By Erin Blasko, Published January, 2025	Notre Dame, IN
2024	University of Notre Dame - Notre Dame Research "Building connections: RCLC students design birdhouses for Habitat families" By Colleen Wilcox, Published November 07, 2024	Notre Dame, IN
2023	University of Notre Dame - Office of the Provost "After designing for corporate America, Notre Dame alumnus returns for an MFA — with a mission to make products that go beyond sustainable" By Pat Milhizer, Published March 29, 2023	Notre Dame, IN

Internal Seed Funding

2025	Just Transformations to Sustainability "RISE-Midwest – Regional Industry Symbiosis for Environment and Resource" Hu, M., Carley, J. , Hicks, A., Filippelli, G., Singh, S. Serving as Co-PI in a collaborative project with researchers from Notre Dame, Purdue, IU, and University of Wisconsin to map material flows in the automotive and manufacturing industries.	Grant Post-Doc Requested (In Progress)	Notre Dame, IN
2025	Just Transformations to Sustainability "Built2Afford: From Salvage to Sustainability - Scalable Energy Retrofit Innovation" Hu, M., Wang, C., Sisk, M., Carley, J. , Ghorbany, S., Forstchen, M., Korotas, A., Yao, S., Lake, H., Zeiger, T., Dale, B. Serving as Senior Personnel in this multidisciplinary project to test a passive energy housing unit and associated AI testing models.	Grant \$150,000 Awarded	Notre Dame, IN
2025	Small Research Grant Franco Family Institute for Liberal Arts and the Public Good "Ethnography and Testing for Rapidly Biodegradable Diaper Pads"	Grant \$3,500 Requested	Notre Dame, IN
2025	International Travel Grant Franco Family Institute for Liberal Arts and the Public Good Conference of Design Principles and Practices (Rome, IT)	Grant \$1,500 Requested	Notre Dame, IN
2024	Small Research Grant Institute for Scholarship in Liberal Arts "Research Assistant Support for Data Collection"	Grant \$2,500 Awarded	Notre Dame, IN
2024	AAL Research Seminar Cross-Disciplinary Workshop Series School of Architecture and the College of Arts and Letters	Grant \$1,000 Awarded	Notre Dame, IN
2024	International Travel Grant Franco Family Institute for Liberal Arts and the Public Good Conference of Design Principles and Practices (Valencia, ES)	Grant \$1,500 Awarded	Notre Dame, IN
2023	Technology for the Common Good Institute for Scholarship in Liberal Arts "Production of Experimental Structural Panels from Plant Fiber and Renewable Bioplastics"	Grant \$5,000 Awarded	Notre Dame, IN

2022	GLOBES Interdisciplinary Research Grant JJ Reilly Center for Science, Technology, and Values "Bioplastic Composites"	Grant \$2,850 Awarded	Notre Dame, IN
2022	Graduate Student Research Award Institute for Scholarship in Liberal Arts "Bioplastic Composites"	Grant \$2,850 Awarded	Notre Dame, IN

Internal Research Presentations and Workshops

2025	NDR Science and Technology Showcase Notre Dame Research "Natural Fiber and Bioplastic Composites" Only researcher included from Arts and Letters or Architecture		Notre Dame, IN
2023	GLOBES Graduate Research Symposium "Bioplastic Composites" University of Notre Dame		Notre Dame, IN
2023	Department of Art, Art History and Design "Industrial Design for Sustainable Futures" University of Notre Dame		Notre Dame, IN
2023	Department of Art, Art History and Design DESN 40202: ID-4 Professional Practices Sustainability Workshop		Notre Dame, IN
2022-2023	Department of Art, Art History and Design DESN 48204: BFA Thesis Seminar Research Presentation in 2022 and 2023		Notre Dame, IN
2022	The Solarium Gallery at the Graduate School <i>Intersections Exhibition</i> , Multiple Works		Notre Dame, IN

Teaching

I center the creative act of "making" as a vehicle for problem-solving, craft, and cognitive thought about societal issues. I bring a hands-on approach to the classroom forged by my background as a Professional Design Consultant, Startup Co-Founder, and Academy Researcher. My courses are studio-based, supported by topical lectures and real-time, multi-modal demonstrations.

The University of Notre Dame			Notre Dame, IN
2026-Spring	DESN 30200: Digital Visualization		
2026-Spring	DESN 20201: ID-1: Industrial Design Process and Prototyping		
2026-Spring	DESN 63350: Graduate Design Seminar (Lead Instructor)		
2026-Spring	DESN 67271: Graduate Special Studies in Product Design (x2)		
2025-Fall	DESN 30211 / SUS 30211: Modern Materials and the Sustainability of Designed Objects		
2025-Fall	DESN 20201: ID-1: Industrial Design Process and Prototyping		
2025-Fall	DESN 63350: Graduate Design Seminar (Co-Instructor)		
2025-Fall	DESN 67271: Graduate Special Studies in Product Design (x2)		
2025-Spring	DESN 30211 / SUS 30211: Modern Materials and the Sustainability of Designed Objects		
2025-Spring	DESN 20201: ID-1: Industrial Design Process and Prototyping		

2025-Spring	DESN 63350: Graduate Design Seminar (Co-Instructor)
2025-Spring	DESN 67271: Graduate Special Studies in Product Design
2024-Fall	DESN 20201: Industrial Design Process and Prototyping
2024-Fall	DESN 30200: Digital Visualization
2024-Fall	DESN 63350: Graduate Design Seminar (Co-Instructor)
2024-Spring	DESN 20200: Rapid Visualization
2024-Spring	DESN 63350: Graduate Design Seminar (Co-Instructor)
2024-Spring	DESN 67271: Graduate Special Studies in Product Design
2023-Fall	DESN 30200: Digital Visualization
2023-Fall	DESN 20209: Digital Solid Modeling
2023-Fall	DESN 63350: Graduate Design Seminar (Co-Instructor)
2023-Fall	DESN 67271: Graduate Special Studies in Product Design
2023-Spring	DESN 20200: Rapid Visualization
2023-Spring	DESN 44271: Undergraduate Special Studies in Product Design
2022-Fall	DESN 30200: Advanced Visualization
2022-Spring	DESN 20200: Rapid Visualization
2021-Fall	DESN 30200: Advanced Visualization
2021-Spring	DESN 21200: Digital Visualization Lab
2020-Fall	DESN 21200: Digital Visualization Lab

Northwestern University

Evanston, IL

2019-Winter	DSGN 208 - Design Thinking and Doing (Co-Instructor)
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Teaching Grants and Workshops

2025	Henkels Mini Conference Grant Franco Family Institute for Liberal Arts and the Public Good "Support for 23rd Annual Design Alumni Conference"	Grant \$3500 Funded	Notre Dame, IN
2025	Teaching Beyond the Classroom Small Grant Class Visit to Polywood, Studio Tour DESN 30211: Modern Materials	Grant Funded	Notre Dame, IN
2024	Heartland Footwear & iNdustry Labs Sponsored Class Project and Teaching Module "Integrated Product Design Workflows Utilizing GenAI" DESN 30200: Digital Visualization	Industry Sponsor \$5000 Funded	South Bend, IN
2024	Henkels Mini Conference Grant Institute for Scholarship in Liberal Arts "Support for 22nd Annual Design Alumni Conference"	Grant \$3500 Funded	Notre Dame, IN

2024	Excellence in Mentorship Workshop Center for Broader Impacts Notre Dame Research	Workshop Participant	Notre Dame, IN
2024	Course Development Grant "Materials and the Sustainability of Design Objects" College of Science: Sustainability Minor	Grant \$6000 Funded	Notre Dame, IN
2023-2024	Sustainability Course Workshop "Integrating Sustainability into your Courses" Dr. Grace Wang, Western Washington University College of Science: Sustainability Minor	Workshop Participant	Notre Dame, IN
2023	Teaching Beyond the Classroom Small Grant Michigan Design Studio Tours College of Arts and Letters	Grant Funded	Notre Dame, IN
2022	Teaching Beyond the Classroom Small Grant Chicago Design Studio Tours College of Arts and Letters	Grant Funded	Notre Dame, IN

Research Mentorship and Advising

Undergraduate Research Mentorship

2025-2027	Magdalena Keller, College of Science - Sustainability Minor Capstone Advisor
2026	Isabel Castaneda Perez, College of Arts and Letters, Design - NewMATTER Design Lab
2025-2026	Gabriela Shirtcliff, College of Engineering, Chemical - NewMATTER Design Lab
2025-2026	Lily B. Miller, College of Engineering, Mechanical - NewMATTER Design Lab
2025-2026	Brian Edels, College of Engineering, Chemical - NewMATTER Design Lab
2025-2026	Greta Lannon, College of Arts and Letters, Design - NewMATTER Design Lab
2024-2026	Lia Minondo Beverini, College of Arts and Letters, Design - NewMATTER Design Lab
2024-2026	Eliza Thayer, College of Arts and Letters, Design - NewMATTER Design Lab
2025-2026	Magdalena Keller, College of Arts and Letters, Design - NewMATTER Design Lab
2024-2025	Daniela Bartolome, Mendoza College of Business, Marketing - NewMATTER Design Lab
2024-2025	Aidan Boylan, College of Engineering, AME - NewMATTER Design Lab
2024-2025	Matthew Milani, College of Engineering, AME - NewMATTER Design Lab
2024-2025	Lauren White, College of Science - Sustainability Minor Capstone Advisor

Graduate Research Mentorship

2026-Spring	Concepción Claude - MFA Graduate Advisor
2025-2026	Siavash Ghorbany - Ph.D Architecture Research Project Advisor
2025-2026	Weldon Kimutai - M.Arch Research Project Advisor
2024-2026	Lucy Schultz - MFA Thesis Committee Member
2025-Fall	Concepción Claude - MFA Graduate Advisor
2025-Fall	Ilya Sortor - MFA Graduate Advisor
2025-Spring	Lucy Schultz - MFA Graduate Advisor
2024-Spring	Katherine Lestingi - MFA Graduate Advisor
2024-Spring	Jason Daniels - MFA Graduate Advisor
2024-Fall	Lucy Schultz - MFA Graduate Advisor

2024-Fall Katherine Lestingi - MFA Graduate Advisor

Service

Service to the University

2024-present	Associate Faculty Director, iNDustry Labs Faculty Coordinator for Arts and Letters, Project Consultant Notre Dame's leading initiative for advancing regional industry. On behalf of the College of Arts and Letters, I've created opportunities for faculty and students to connect with local businesses, resulting in several sponsored course projects, presentations, internships, and other collaborations.	Notre Dame, IN
2025	Just Transformations to Sustainability Midwest Platform for Sustainability Research and Curricular Innovation Invited Summit Participant Serving as one of eight faculty advisees for the August launch of the platform	Notre Dame, IN
2025	Master Class - The Rally 2025 "Sustainability and Design" One of six presentations for the College of Arts and Letters to ~100 admitted students of the Class of 2029 and their parents.	Notre Dame, IN
2024	Meruelo Family Center for Career Development "Thinking About Grad School?" Panel Participant	Notre Dame, IN
2021-2022	Office of Sustainability Small Working Group Member - Waste University of Notre Dame	Notre Dame, IN
2022	Eric Benson Lecture Organizer and Host "I am a Designer Creating in the Climate Crisis" GLOBES Certificate, JJ Reilly Center	Notre Dame, IN

Service to the Department

2024-present	Digital Fabrication Coordinator Manages training, use, and maintenance of 3D printing, laser cutting and CNC equipment for Design students and faculty. Department of Art, Art History and Design	Notre Dame, IN
2023-present	Undergraduate Advising Class Scheduling for Majors and Discerning Students Department of Art, Art History and Design	Notre Dame, IN
2023-present	MFA Faculty Critic Design representative for MFA Studio Walkthroughs and MFA Final Reviews Department of Art, Art History and Design	Notre Dame, IN
2025	Fall Engineering Exploration Presented Design Minor and Major pathways to freshman Engineering students and parents College of Engineering	Notre Dame, IN
2024-2025	Committee of Appointments (CA) Assistant Professor, Visual Communication Design Department of Art, Art History, and Design College of Arts and Letters	Notre Dame, IN
2025	23rd Annual Notre Dame Design Alumni Conference	Notre Dame, IN

Organizer and Host
Participant Recruitment, Conference Agenda, Budgets, Logistics, Provisions, and Safety
Department of Art, Art History and Design

Participants:

- Kelly Poquiz Burke '11 Keynote Presenter. Founder, **Career Slay**, Dallas-Fort Worth TX
- John Traub '11 3D Designer, **Verizon**, New York NY
- Maggie Waller, 11 Brand and Creative Operations Consultant, New York NY
- Elizabeth Kelly, 11 Associate Manager, **Mattel Inc**, Los Angeles CA
- Buchi Offodile, '11 Realtor & Investor, **Sell by Monday**, Washington DC
- Sunoh Choe '12 Manager, **Amazon Quicksight**, Minneapolis MN
- John Plunkett '12 Lead Business Strategist, **National Grid**, Boston MA
- Ryan Geraghty '12 Device Interaction Designer, **Google**, San Francisco CA
- Alisa Rantanen '13 Global Leader UX Design, **Nemera**, Chicago IL
- Ramon Yip '14 Senior Product Design Engineer, **Glassdoor**, Indianapolis IN
- Dominick Podovano '15 Senior Industrial Designer, **Fellowes Brands**, Chicago IL
- Samantha Coughlin '15 Senior Designer, **Meta**, New York, NY
- Catherine Bentzen '15 Technical Designer, **Dyson**, Chicago IL
- Anne Goodman '15 Senior Manager, **Radio Flyer**, Chicago IL

2024-2025 **Meruelo Family Center for Career Development, Department of AAHD** Notre Dame, IN
Organizer and Panelist for 2024 and 2025
"Design Resume and Networking Workshop"

2024-2025 **AAHD Open House** Notre Dame, IN
Design representative for 2024 and 2025
Department of Art, Art History and Design

2025 **Polywood Facility Tour** Syracuse, IN
Organizer, DESN 30211
Manufacturing Tour and Leadership Q+A

2024 **Heartland Footwear Facility Tour** South Bend, IN
Organizer, DESN 30200
Manufacturing Tour and Leadership Q+A

2024 **22nd Annual Notre Dame Design Alumni Conference** Notre Dame, IN
Organizer and Host
Participant Recruitment, Conference Agenda, Budgets, Logistics, Provisions, and Safety
Department of Art, Art History and Design

Participants:

- Brandon Keelean '11 Design and Strategy Freelancer, Portland OR
- Dan Jacobs '11 Innovation Leader, **Accenture**, Chicago IL
- Kassandra Randazzo '12 Product Design, **Tango**, Los Angeles CA
- Jonnie Lee '10 Director of UX, **Salesforce**, Raleigh NC
- Meg Quille '12 Design Director, **Good Sam**, Chicago IL
- Marina Kozak '13 Sr. Designer, **Maven Creative**, Chicago IL
- Justin Schneider '11 Founder and CEO, **Wolf and Shepherd**, Los Angeles CA
- Tre Carden '13 Design Director and Composer, San Diego
- Angela Rock '13 West Virginia University Technical Institute, Beckley WV
- James Slaven '14 Filmmaker, Los Angeles CA
- Takashi Yoshi '10 Creative and Strategy Consultant, **TYD International**, Chicago IL

2024 **Design Lab Improvements** Notre Dame, IN
WL #204 and #230 software and hardware coordination
Department of Art, Art History and Design

2023 **Michigan Design Studio Tours** Kalamazoo, MI
Organizer
Facility tours of Newell Brands and Stryker Medical

2023 **Kaitlyn Benoit Lecture** Notre Dame, IN
Organizer and Host
"Leading with Heart: How Staying True to Yourself, Your Brand, and Your People Yields Winning Results"

Department of Art, Art History and Design

2023	Digital Fabrication Instructions for Use, Materials, and Training Laser Cutter, 3D Printer, CNC Router	Notre Dame, IN
2023	West Lake Computer Lab - Wacom Expansion Industrial Design Area	Notre Dame, IN
2022	Chicago Design Studio Tours Organizer Facility tours of IDEO, Beyond Design, Nemera	Chicago, IL
2020-2022	Fabrication Studio Supervisor Industrial Design	Notre Dame, IN
2019	Brian Donlin and Samson March Guest Critique DESN 208 - Design Thinking and Doing Segal Design Center, McCormick School of Engineering Northwestern University	Evanston, IL

Service to the Discipline

2024-present	International Designers Society of America (IDSA) Education Symposium Paper Juror, International Design Conference	New York, NY
2025	Design Research Society Paper Reviewer, LearnxDesign	London, UK
2014	Chicago Ideas Week Workshop Host and Lecturer	Chicago, IL
2014	The Mayor's Office of the City of Chicago Advisory Council of Chicagoland Manufacturers: Guest Presenter	Chicago, IL

Service to the Community

2026	Robinson Community Learning Center Workshop Host - Cooking with Bioplastics (Upcoming)	South Bend, IN
2024	Robinson Community Learning Center Workshop Host - Birdhouses for Habitat for Humanity	South Bend, IN
2023	Center for Civic Innovation High School Intern Orientation, Design Thinking Workshop	South Bend, IN