



UNIVERSITY OF  
NOTRE DAME

DEPARTMENT OF ART, ART HISTORY & DESIGN

## PERSONAL STATEMENT

My design practice has evolved through the overarching theme of 'Human-Integration Design' since design boundaries have expanded substantially to the point where our daily lives are challenged with various wicked problems. Products are no longer stand-alone tangibles but rather part of a larger, more complex system that connects humans to culture, society, and technology. I synthesize design thinking with the Define-Discover-Develop-Demonstrate (4D) process to gain high-level insights and deliver contextually appropriate results. With this framework, I'm able to disseminate various aspirations related to social innovations, human-centered design, and future casting. I enjoy an unconventional process when managing design projects: I connect the research results to insights that leverage "what if" inquiry to embrace big-picture exploration. I frequently administer immersive tactics for divergent explorations with convergent activities to align various stakeholders' expectations. A majority of my design projects integrate user experience(UX) with design implementation to propose collective approaches in identifying innovations and responsive solutions. I truly believe successful design innovation begins with cultivating a participatory culture that dovetails 'thinking' and 'making' for diverse immersion. More importantly, it bridges the gap between fragmented expertise via coherent synthesis.

## ACADEMIC APPOINTMENTS

2021.7~ present	Chair Department of Art, Art History & Design University of Notre Dame South Bend, Indiana
2016.7~ present	Professor Industrial Design University of Notre Dame South Bend, Indiana

2010.9~ 2016.6      Industrial Design Program Coordinator/ Associate Professor  
Department of Design  
The Ohio State University  
Columbus, Ohio

2009.9~ 2010.8      Associate Professor  
Department of Design  
The Ohio State University  
Columbus, Ohio

2007.8~ 2009.8      Associate Professor  
Patti and Rusty Rueff Department of Visual and Performing Arts  
Purdue University  
West Lafayette, Indiana

2003.1~ 2007.7      Assistant Professor  
Patti and Rusty Rueff Department of Visual and Performing Arts  
Purdue University  
West Lafayette, Indiana

#### **PROFESSIONAL APPOINTMENT**

2005.11~ present      Principal  
Designapkin  
Granger, Indiana

2001.1~2002.12      Senior Designer  
Daewoo Electronics Design Center  
Seoul, Korea

1997.7~2000.12      Junior Designer  
Daewoo Electronics Design Center  
Seoul, Korea

1995.3~ 1996.12      Designer  
Beyond Design  
Chicago, Illinois

#### **EDUCATION**

1995.9~ 1997.5      Master of Arts- Industrial Design  
The Ohio State University  
Design Development

1992.5~ 1995.5      Bachelor of Fine Arts- Industrial Design  
University of Illinois at Chicago  
Product Design

## MEMBERSHIP

2003.1 ~ present      Industrial Designers Society of America (IDSA)  
Professional Member

## AWARDS & RECOGNITIONS OF DESIGN WORK

- 2018                    International Design Award  
Silver A' Design Award  
A1 Design Award Competition (259 winning work out of 4,500 entries)  
Work title: SLID- disposable coffee lid  
*SLID is a drink-through disposable lid with an angled-design that improves the flow of hot drinks and offers ergonomic references to prevent direct contact between the hand and the drinking hole.*
- International Design Award  
Finalist  
International Design Excellence Award(ranked in top 35% of 1,300 entries)  
Herndon, VA  
Work title: SLID- disposable coffee lid
- 2015                    International Design Award  
Iron A' Design Award  
A1 Design Award Competition (940 winning work out of 15,000 entries)  
Work title: Maze hairbrush  
*MAZE hairbrush is designed to conveniently remove trapped and tangled strands of hair, thus solving the fundamental maintenance problem of a hairbrush.*
- International Design Award  
Green Selection (Top 97 work out of 400 entries from 21 Countries)  
Green Product Award  
Work title: Maze hairbrush
- 2014                    International Design Award  
Professional Notable Work (Top 5 work in the Service Design Category)  
2013 Core77 Design Award  
Work title: "Your Pizza, Your Way"  
*"Your Pizza- Your Way" is a service solution for the made- to- order restaurants that eases the jitters of reading the menu board, remembering the details of the order, then communicating the information with people standing in line that commonly instigates problems.*
- 2013                    National Design Award  
Final Four Ideas  
Big Ideas for Health- Wexner Medical Center  
Work title: Child Resistant Spray Bottle

*The dual nozzle mechanism enables one-handed operation by an adult, while making the sprayer almost impossible to use by a small child that automatically locks upon releasing a lever that blocks the trigger.*

International Design Award  
Concept Finalists  
Red Dot Design Award  
Work title: Child Resistant Spray Bottle

2010 International Design Award  
Winning Work (54 winners out of 756 entries from 54 countries)  
Opus Eyewear Design Competition  
Eyetec Co., Ltd.  
Work title: Pilot  
*Pilot is a navigation eyewear that assists users with directions without taking their eyes off the road. Users benefit through simplified visual cognition that minimizes distractions while operating a vehicle.*

2009 International Design Award  
Bronze Award (Top 10% of 1631 entries from 56 countries)  
2009 Industrial Design Excellence Award  
Industrial Designers Society of America  
Work title: Teaser  
*TEASER is a next generation cookbook that offers taste sampling. TEASER assists users to identify the taste before they cook and avoid food waste by eliminating the dishes that conflict with their appetite.*

International Design Award  
Finalists (Top 30% of 1631 entries from 56 countries)  
2009 Industrial Design Excellence Award  
Industrial Designers Society of America  
Work title: Umboo  
*Umboo is an ecologically sustainable bamboo umbrella focused on simplicity and reliability. The main shaft is steam bent into the classic curvature of an umbrella while a recycled fabric canopy is stretched over the arms.*

2007 International Design Award  
Winning Work (54 winners out of 756 entries from 54 countries)  
Opus Eyewear Design Competition  
Eyetec Co., Ltd.  
Work title: Pulse  
*Pulse eyewear relives headaches and offers relaxing experience by stimulating acupuncture pressure points on the ear gate.*

International Design Award  
Top 60 Winning Works  
Well Tech Award 2007  
WELL TECH  
Work title: Shift Bicycle

*Shift Bicycle helps children learn how to ride a bike on their own. Unlike traditional training wheels that simply prevent the bicycle from tipping, the Shift bicycle assists children to learn balance on their own.*

## **EXHIBITED DESIGN WORK**

- 2018            International Permanent Exhibition  
                  Hebei Design Center and Museum  
                  Shijiazhuang, China  
                  Work title: SLID
- International Travel Exhibition  
                  Work title: SLID  
                  *New Delhi, India - September 21-22*  
                  *Xiong'an, China - October 9-10*  
                  *Shenzhen, China - November 5-7*
- 2016            International Design Exhibition  
                  Festival of Architecture and Interior Designing conference  
                  Mumbai, India  
                  Work title: Maze hairbrush
- 2015            International Design Exhibition  
                  Green Product Award Exhibition at International Industrial Design Fair  
                  Shenzhen, China  
                  Dates: 6-8 November 2015  
                  Work title: Maze hairbrush
- International Design Exhibition  
                  A' Winners' Exhibition at "MOOD" Dublin Castle  
                  Dublin, Ireland  
                  Dates: 1-30 October 2015  
                  Work title: Maze hairbrush
- International Design Exhibition  
                  A' Winners' Exhibition at Hometex  
                  Amsterdam, Netherlands  
                  Dates: 21-23 September 2015  
                  Work title: Maze hairbrush
- International Design Exhibition  
                  A' Winners' Exhibition at "MOOD" Ex Chiesa di San Francesco  
                  Como, Italy  
                  Dates: 18-25 April 2015  
                  Work title: Maze hairbrush

- 2013 International Design Exhibition  
4<sup>th</sup> Annual IDEF Conference  
Nanjing University of Science and Technology  
Work title: Intouch web-camera
- 2012 National Design Exhibition  
The world's largest buckeye necklace display case  
Stefanie Spielman Comprehensive Breast Center  
Columbus, OH
- 2009 International Exhibition  
2009 International Forum of Industrial Design Education  
Nanjing University of Science & Technology  
Nanjing, China  
Work title: Teaser
- 2008 International Exhibition  
2008 Design Olympiad Seoul  
Seoul Metropolitan Government  
Seoul, Korea  
Work title: Soul Tree & Ginkgo

#### **INVENTIONS AND PATENTS**

- 2015 NOVUS Dental Hygiene device T2015-259  
Currently under review by TCO- IDF969766  
Inventors: Scott Shim, Damian Lee
- 2014 A Child-Resistant Lock for a Trigger Spray Mechanism T2012-022  
Issued US- 8,757,447  
Inventors: Scott Shim, Carol Gill, Thornton Lothrop, Blain Lilly
- 2012 MAZE Hair Brush T2012-110  
Issued US- 8,857,005  
Inventors: Scott Shim, Morris Koo
- 2009 SHIFT Bicycle  
Issued US- 7,481,443  
Inventors: Scott Shim, Ryan Lightbody, Matt Grossman

#### **PUBLICATION OF DESIGN WORK**

- 2015 Green Product Book No.2  
Winning works of 2015 Green Product Award
- 2013 Everything Matters: Research  
*Designing a safer, child-resistant spray bottle*  
Nationwide Children's Hospital  
2012 Fall Issue

OnCampus- The Ohio State University Faculty Staff Newspaper  
*A revolutionary enhancement*  
November 15<sup>th</sup> Issue, page 7

2012            Design Innovations  
                  Industrial Designers Society of America  
                  Dulles, VA  
                  2012 Fall Issue

## **RESEARCH FUNDING**

### **a) Funded research as principle investigator**

2011            Government Research Grant  
                  Ohio Department of Natural Resources/ Davey Institute  
                  Amount: \$10,000  
                  Contribution: 100%  
                  *Project description: The Ohio State University industrial design students will explore sustainable design solutions related to urban forestry. The project will encompass service and management strategy as well as potential product solutions that may invite business interest in the future.*

2010            Industry Research Grant  
                  Honda Motors America  
                  Amount: \$71,000  
                  Contribution: 100%  
                  *Project Description: Addressing new opportunities in Honda interior console design through understanding the future customers: College students. The design team will focus on their culture and lifestyle tangibles with ethnographic co-design research methods.*

### **b) Funded research as co-investigator**

2014            Industry Research Grant  
                  Honda Motors America/ CoGrow Lab  
                  Amount: \$199,739  
                  PI: Liz Sanders  
                  Co-PI: Scott Shim, Carol Gill, Scott Denison  
                  Contribution: 35%  
                  *Project description: Exploration and experimentation in human-centered design that will be addressed through co-creation between Honda's CoGrowLab and the Design Department at The Ohio State University.*

2012            Industry Research Grant  
                  Nationwide Children's Hospital  
                  Amount: \$80,000  
                  PI: Lara McKenzie  
                  Co-PI: Scott Shim, Carol Gill  
                  Contribution: 30%

*Project description: Identify design opportunities and develop an innovative child-resistant spray bottle that can reduce the household accidents revealed by studies at the Nationwide Children's Hospital.*

**c) Funding received for academic work**

- 2017 Corporate sponsorship  
Electrolux  
Amount: \$10,000  
*Project description: Integrated experience solutions for multicultural culinary Activities*
- 2015 Corporate sponsorship  
LG Electronics USA  
Amount: \$15,000  
*Project description: Developing conceptual user journey map based on Xennials Lifestyle Research*
- 2010 Corporate sponsorship  
Radio Flyer  
Amount: \$10,000  
*Project description: Investigate variety of ride-on concepts around four critical topics that are closely related to a pleasant ride experience: Control, movement, speed and balance.*
- 2008 Corporate sponsorship  
Hasbro  
Amount: \$8,000  
*Project description: Developing future toy concepts within the overarching theme of 'Retro prospect'.*
- International travel grant  
Purdue University/College of Liberal Arts  
Amount: \$1,400  
*Project description: Supporting international scholarly activities for faculty.*

**PUBLISHED PAPER AND ARTICLES**

**a) Peer reviewed journal publication**

- 2019 Agile Strategy in the Era of Disruptive Innovation  
Dong-A Business Review Volume 264  
*Article title: Contextual Application of Design Thinking*
- 2015 Journal of Retailing and Consumer Services  
Authors: Frances Gunn, Scott Shim, Jungkun Park  
*Consumer Acceptance of a Revolutionary Technology-driven Product: The Role of Adoption in Industrial Design Process*



## b) Papers in proceedings

- 2020 International Conference on Interdisciplinary Practice in Industrial Design  
San Diego, CA  
Authors: Scott Shim  
Contribution: 100%  
*Designing an experience ecosystem on campus*
- 2018 International Conference on Interdisciplinary Practice in Industrial Design  
Orlando, FL  
Authors: Scott Shim  
Contribution: 100%  
*Design Education as an inclusive pedagogy*
- 2014 American Institute of Graphic Arts (AIGA) Educators Conference  
Portland, OR  
Authors: Susan Melsop, Peter Chan, Scott Shim  
Contribution: 20%  
*Intersections in Interdisciplinary Collaborations*
- 2013 Industrial Designers Society of America (IDSA) Education Symposium  
Chicago, IL  
Authors: Susan Melsop, Scott Shim, Peter Chan  
Contribution: 40%  
*Developing a Collaborative Design Course to bridge the gap between traditional design disciplines in an undergraduate design program*
- 10<sup>th</sup> International Scientific Conference on Prevention of Work-Related Musculoskeletal Disorders  
Busan, Korea  
Authors: Jangwhon Yoon, Ali Shiekhzadeh, Scott Shim  
Contribution: 30%  
*Effect of pushing, pulling and twisting direction on the maximal output and the grip force*
- 2012 19<sup>th</sup> Recent Advances in Retailing & Service Science  
Vienna, Austria  
Authors: Scott Shim, Jungkun Park  
Contribution: 70%  
*The role of consumer in NPD: Testable-printer using ICT and consumer adoption process*
- 2011 13<sup>th</sup> Annual International conference on Engineering and Design Education  
City University London, UK  
Authors: Carol Gill, Liz Sanders, Scott Shim  
Contribution: 30%  
*Prototypes as inquiry, visualization and communication*

### c) Unpublished scholarly presentations

- 2019            Invited Presentation  
                  Title: Human-Centered approached in Digital Ecosystems  
                  Samsung Electronics  
                  New York, NY
- 2018            Keynote Speaker  
                  Agile Strategy in the Age of Digital Disruption  
                  Dong-A Business forum2018  
                  Seoul, Korea
- Invited Lecturer  
                  Human-centered Approach in Luxury Design  
                  Annual Hanyang Global Band Marketing forum  
                  Seoul, Korea
- 2017            Panel Discussion Speaker  
                  Student Merit Award Discussion  
                  2017 IDSA/Eastman Education Symposium  
                  Atlanta, Georgia
- 2016            Panel Discussion Speaker  
                  Tenure and Promotion  
                  2016 IDSA/Eastman Education Symposium  
                  Detroit, Michigan
- 2015            Guest Lecturer  
                  Contextual Application of Design Thinking  
                  Dankook University  
                  Gilheung, Korea
- Keynote Speaker  
                  Design Daze- The future of Design  
                  Purdue University  
                  West Lafayette, Indiana
- 2014            Guest Lecturer  
                  Design as a narrative strategy  
                  University of Notre Dame  
                  South Bend, Indiana
- 2012            Workshop Facilitator  
                  Design research and application methods  
                  Nanjing University of Science and Technology  
                  Nanjing, China

Guest Lecturer  
Front-end Thinking of Design Process  
Kyunggi University  
Suwon, Korea

Guest Lecturer  
Front-end Thinking of Design Process  
University of Seoul  
Seoul, Korea

2009 Keynote Speaker  
What is Design Thinking?  
International Forum of Industrial Design Education  
Nanjing, China

Paper Presenter  
International Conference on Mechanical Engineering and Mechanics  
Beijing, China

2008 Paper Presenter  
National Collegiate Inventors and Innovators Alliance Conference  
Dallas, Texas

Guest Lecturer  
Practical application of ethnographic research in design  
Kyunghee University  
Seoul, Korea

Guest Lecturer  
Practical application of ethnographic research in design  
Korea Advanced Institute of Science and Technology  
Daejeon, Korea

Guest Lecturer  
Design management education  
Kunkook University  
Seoul, Korea

2007 Keynote Speaker  
2007 International Forum of Industrial Design Education  
Nanjing, China

Keynote Speaker  
2007 International Conference on Mechanical Engineering and Mechanics  
Wuxi, China

## **NOTEOWRTHY ACCOMPLISHMENTS OF GRADUATE STUDENTS**

- 2021 International Design Excellence Award  
Gold- Student Category  
Industrial Designers Society of America  
Jason Carly
- 2019 Midwest Graduate Student Merit Award  
Industrial Society of America  
Carly Hagins
- 2017 Notre Dame App Challenge Winner  
Innovation Park- University of Notre Dame  
Robbin Forsyth & Miriam Moore
- 2014 Edward J. Ray Travel Award  
Council of Graduate Students- The Ohio State University  
George Chow
- 2013 Outstanding Graduate Associate Teaching Award (OGATA)  
College of Arts and Sciences- The Ohio State University  
George Chow
- 2011 Arts & Humanities Graduate Research Grant  
The Ohio State University  
Miriam Simon

## **NOTEOWRTHY ACCOMPLISHMENTS OF UNDERGRADUATE STUDENTS**

- 2021 28<sup>th</sup> Annual International Houseware Student Design Competition  
International Houseware Association  
Chicago, Illinois  
2<sup>nd</sup> Place- Clare Gaylord
- 2020 27<sup>th</sup> Annual International Houseware Student Design Competition  
International Houseware Association  
Chicago, Illinois  
Honorable Mention- Jane Kassabia
- 2019 26<sup>th</sup> Annual International Houseware Student Design Competition  
International Houseware Association  
Chicago, Illinois  
3<sup>rd</sup> Place- Teaghan Stack  
Honorable Mention- Nicholas Azar
- 2018 Student Merit Award- Midwest District Winner  
Industrial Designers Society of America (IDSA)

Dulles, Virginia  
Erin Rice

- 2017 2<sup>nd</sup> Place (selected out of 330 submissions)  
26th Walt Disney Imagineering Imaginations Design Competition  
Burbank, California  
Erin Rice, Mark Davidson, Jessica Klouda, Madeline Zupan
- 24<sup>th</sup> Annual International Houseware Student Design Competition  
International Houseware Association  
Chicago, Illinois  
3<sup>rd</sup> Place- Dan Lopes  
Honorable Mention- Erin Rice  
MOMA Award sponsored by Model Solution  
*Loren Chen- HomeGrown*  
*Work displayed at 2017 IDSA International Design Conference*
- 2015 22<sup>nd</sup> Annual International Houseware Student Design Competition  
International Houseware Association  
Chicago, Illinois  
3<sup>rd</sup> Place- Jean Paul Pompeo  
Honorable Mention- Caterina Rizzoni, Ashley Fenton, Myrna Lewis
- 2014 Student Merit Award- Central District Winner  
Industrial Designers Society of America (IDSA)  
Dulles, Virginia  
Austin Scott
- 21<sup>st</sup> Annual International Houseware Student Design Competition  
International Houseware Association  
Chicago, Illinois  
Honorable Mention- Hannah Kruse
- 2013 2013 Core77 Design Award-- Student Category Notable  
CORE 77, INC.  
New York, NY  
Yunqi Yuan
- 20<sup>th</sup> Annual International Houseware Student Design Competition  
International Houseware Association  
Chicago, Illinois  
2<sup>nd</sup> Place- Yutong Wu  
3<sup>rd</sup> Place- Yunqi Yuan  
Honorable Mention- Justin Bechstein, Morgan Perry

## TEACHING AWARDS AND RECOGNITION

- 2021 Education Grant  
International Houseware Association  
Chicago, Illinois  
*Description: Award given to a faculty responsible for mentoring prize-winning student work.*
- 2019 Education Grant  
International Houseware Association  
Chicago, Illinois  
*Description: Award given to a faculty responsible for mentoring prize-winning student work.*
- 2017 Education Grant  
International Houseware Association  
Chicago, Illinois
- 2015 Education Grant  
International Houseware Association  
Chicago, Illinois
- 2014 Award of Recognition  
LG Electronics USA  
Englewood Cliffs, NJ  
*Description: Special recognition from William Cho, President of LG Electronics USA, for contributing in Open Innovation Workshop held at their New Jersey headquarters.*
- 2013 International Houseware Association Education Grant  
International Houseware Association  
Chicago, Illinois

## SERVICE TO PROFESSIONAL SOCIETIES

- 2020.7 Design Grant Project Review Panelists  
National Endowment for the Arts (NEA)
- 2020.5 Jury Member  
2020 International Design Excellence Award  
Industrial Designers Society of America (IDSA)
- 2019.6 Jury Member  
2019 International Design Excellence Award  
Industrial Designers Society of America (IDSA)

2019.1	Judge member Student Design Competition International Housewares Association
2018.1 ~ present	Board Member Korean Society of Design Science
2016.5 ~ 2018.5	Director of Education Board of Directors Industrial Designers Society of America (IDSA)
2018.1	Judge member Excellence in Design Contest Appliance Design Association
2018.1	Judge member Student Design Competition International Housewares Association
2016.8 ~ 2017.8	Chair IDSA/ Eastman Education Symposium
2010 ~ 2016.6	Industrial Designers Society of America (IDSA) Ohio State University Student Chapter faculty advisor Provides guidance to the student officers and members of the chapter organizes and conducts the annual Student Merit Award competition and serves as a role model and leader.
2006 ~ 2009	Industrial Designers Society of America (IDSA) Purdue University Student Chapter faculty advisor

## **PROFESSIONAL CONSULTING ACTIVITIES**

2019	AVIDLabs Kernel Enclosure Device Fort Wayne, IN
2016	LG Electronics USA A Study of the Xennial Generation Englewood Cliffs, New Jersey
2015	Dental Guidance Dental impression mold trays Los Angeles, California
2014	LG Electronics USA Home Entertainment Display

Englewood Cliffs, New Jersey

- 2013 Enzo's Pizzeria Company  
Made-to-go experience design and store layout  
Columbus, OH
- 2011 Wave Cradle iPhone stand  
Apollo Design Technology  
Fort Wayne, Indiana
- 2010 2<sup>nd</sup> Generation iPad cover project  
Body Glove  
Chicago, Illinois

### **ADMINISTRATIVE SERVICE**

- 2021.7 ~ present Department Chair
- 2021.3 ~ present Notre Dame Art Council
- 2016.7 ~ 2021.5 Department Executive Committee Member
- 2018.8 ~ 2019.5 ID Search Committee Chair
- 2018.8 ~ 2018.12 Collaborative Innovation Director Search Committee
- 2015 ~ 2016.6 Chair's Advisory Committee
- 2015 ~ 2016.6 Graduate Studies Committee
- 2014 ~ 2016.6 Undergraduate Studies Committee
- 2014 ~ 2016.6 Faculty Senate of the College of Arts and Sciences
- 2010 ~ 2016.6 Industrial Design Program Coordinator
- 2014 ~ 2015 Design Foundation Curriculum Committee
- 2012 ~ 2014 Fergus Memorial Scholarship Jury Committee
- 2013.9 ~ 2014.4 Member of Interior Space Design Faculty Search Committee
- 2011.9 ~ 2012.5 Chair of Industrial Design Faculty Search Committee
- 2008.8 ~ 2009.4 Chair of Interaction/Industrial Design Faculty Search Committee
- 2007.8 ~ 2009.4 Member of Budget Advisory Committee
- 2007.8 ~ 2009.4 Chair of Art & Design Shop Committee



2007.8 ~ 2008.5

Member of Multi Media Faculty Search Committee