

# Yuan Liao

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## Education

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<b>University of Illinois at Urbana-Champaign</b> , Illinois, USA Ph.D. student of Architecture, Building science	Aug. 2018–Present
<b>University of Illinois at Urbana-Champaign</b> , Illinois, USA Master of Architecture candidate, GPA: 3.85	Aug. 2015–May 2018
<b>China Academy of Art</b> , Shanghai, China Bachelor of Arts in Architecture and Environmental Design	Sep. 2010–Jul. 2014

## Research Experience

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<b>Research Assistant with Dr. Sudarshan Krishnan</b> <ul style="list-style-type: none"><li>• Researched on deployable and adaptive structures</li><li>• Prepared digital structural models of deployable structures</li><li>• Assisted with the grant proposal titled "Integrated Design of Lightweight Rapidly Deployable Disaster-Relief Shelters" [awarded by the UIUC Research Board]</li></ul>	Aug. 2017–Present
<b>Conference Proceedings (peer reviewed)</b> Liao, Yuan and Krishnan, Sudarshan. "Kinematic and Geometric Design of Curvilinear Grid Structures," The International Association for Shell and Spatial Structures Symposium IASS2017, Hamburg, Germany, September 25-29, 2017.	Jun. 2017
<b>Conference Presentations</b> Liao, Yuan (PRESENTER) and Krishnan, Sudarshan. "Kinematic and Geometric Design of Curvilinear Grid Structures," The International Association for Shell and Spatial Structures Symposium IASS2017, Hamburg, Germany, September 25-29, 2017.	Sep. 2017
<b>Article in Journals</b> Krishnan, Sudarshan and Yuan, Liao. "Geometrical Design of Deployable Domes using Three-dimensional Angulated Members." [in preparation]	May 2017–Present

## Honors and Awards

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2018 SARAs National Design Award	Sep, 2018
3 <sup>rd</sup> Place of The Chicago Award in Architecture student competition, AIA	Jun. 2018
2 <sup>nd</sup> Prize of The Image of Research, Graduate Research Competition, UIUC	Apr. 2018
Gertrude Lempp Kerbis Fellowship for architectural research	Mar. 2018
2 <sup>nd</sup> Place of the Graduate Design Excellence Award, Fall 2017, UIUC	Dec. 2017
2 <sup>nd</sup> Place of the Graduate Design Excellence Award, Spring 2017, UIUC	Jun. 2017
Nomination for the Graduate Design Excellence Award, Spring 2016, UIUC	May 2016
Nomination for the Earl Prize, Fall 2015, UIUC	Dec. 2015
Innovation Scholarship from China Academy of Art	Oct. 2013
Silver Medal of 2013 Chinese Architectural Art "Young Designers Prize"	Sep. 2013
Outstanding member in the Student Union of China Academy of Art	Dec. 2012

## Work and Practice Experience

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- Illinois School of Architecture Fabrication Shops**, Champaign, IL Aug. 2018-Present  
Student worker
- Laser cutter labs & Print labs
- Illinois Fire Service Institute Library**, Champaign, IL Apr. 2017–Sep. 2017  
Student assistant of the Head director of the Library
- Assisted in the library management, and academic exchange planning
  - Do the graphic design for posters and yearbook
  - Translated materials between Mandarin Chinese and English
- UIUC Housing, Ikenberry Dining Hall**, Champaign, IL Feb. 2016–Mar. 2017  
Student worker
- Food services, customer services, and disability services
- Shandong Guotai Architectural Design Company**, Jinan Jul. 2014–May 2015  
Assistant architectural designer
- Projects: Renovation of Jinan Sports Training Center  
Office building #1 design in Weifang High-tech Park
  - Assisted in interior design, created architectural graphics and digital models
- “Design Camp of Eight School Cross-border Joint Business in 2013”**, Taipei Nov. 2013
- Designed a geriatrics facility as a group project
  - Presented our design to students and faculty from other universities
- “Adream Center” Project, Shanghai Cherished Dream Foundation** Oct. 2013–May 2014  
Main volunteer designer
- Provided two interior designs of integrated classrooms, one of which was adopted by the foundation
  - Produced digital models and architectural graphics
- “Xiao Shuidi” Art Studio**, Jinan Jul. 2010–Feb. 2011  
Part-time worker and teaching assistant
- Taught high school students pencil sketching and watercolor painting
  - Created teaching plans and drew demos for the students

## Skills

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High Proficiency: AutoCAD, Adobe Photoshop, InDesign, Sketch up, Rhinoceros  
Familiarity: Illustrator, Grasshopper, 3D Max, SAP2000, MATLAB