

# MINGBO PENG

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## INTERESTS

Architecture Design; Building Performance (Daylighting, Energy) Analysis; Web Design & Development; Information Management System Design & Development; Graphic Design; Grasshopper Addin Development; Astrophotography.

## EDUCATION BACKGROUND & CERTIFICATE

- 2015-2016 Master of Environmental Building Design, *University of Pennsylvania (UPenn), USA (GPA: 3.97/4.0)*
- 2012-2015 Architecture in Sustainability \*, *Rochester Institute of Technology (RIT), USA (GPA: 3.79/4.0)*
- 2008-2012 B.A. Environmental Art Design (Architecture and Interior Design), *Zhejiang University of Technology (ZJUT), China, GPA: 3.60/4.0*
- 06/2014 Autodesk Building Performance Analysis Certificate & Autodesk Student Expert

## WORKING EXPERIENCE

- 07/2016 - now **Thornton Tomasetti, New York, USA, as Sustainability Intern**
  - Project sustainability consulting  
*Analyzing the outdoor thermal comfort and indoor daylight comfort.*
  - Sustainability research  
*Researching and creating new tool-set, libraries, templates, workflows, and web-based application for sustainability practice*
- 09/2015 - 05/2016 **T.C. Chan Center for Building and Energy Studies, University of Pennsylvania, USA, as Research Assistant**
  - Performance Testing of a new thermal-sensitive material for shading application  
*Setting up a parametric-controlled shading geometry of mimicking the temperature responding material, and coupling dynamic surface temperature from energy simulation with daylighting simulation.*
  - Evaluation of the value of building performance simulation tools in past five years  
*Reviewing the past five years' student works from Building Performance Simulation class, and summering, doing statistical analysis of simulation tools' usage frequency and specific purpose in each design stage.*
- 06/2010-07/2011 **HESHAN Environmental Art Research Center, Zhejiang, China, as Design Intern**
  - Anhui Cuisine Museum, Cangnan Country Central Area High-Rise, Preservation and Remolding of Ancient Town-Fotang, Hangzhou East Railway Station  
*Responsibilities: design, computational modeling, rendering, survey.*

## SKILLS

- Strong ○ ● ● ● ● AutoCAD, Photoshop, Illustrator, SketchUp, Revit, Rhino, Grasshopper
- Immediate ○ ○ ● ● ● Indesign, Lightroom, Green Building Studio, Honeybee, Ladybug, DesignBuilder
- Beginning ○ ○ ○ ● ● Ecotect, TSpline, V-Ray, Climate Consultant, Matlab, PHP, E, C#, Python, Arduino

## AWARDS & HONORS & ACTIVITIES

- 03/2015 PennDesign Scholarship (UPenn)
- 09/2014 - 2015 Course Assistant of Architectural Representation & Integrated Building Systems (RIT)
- 07/2014 Honorable Mention in 14th Annual ACSA/AISC Steel Design Student Competition (USA)
- 05/2014 Design Merit Scholarship Award & Academic Merit Fellowship Award (RIT)
- 01/2014 Vice President of American Institute of Architecture Students - Rochester (USA)
- 2013 & 2014 AIA New York State Student Award
- 07/2013 - Present Creator of Denka Business Information System
- 01/2013 Member of American Institute of Architecture Students (AIAS)
- 02/2012 Member of wwoof (World Wide Opportunities on Organic Farms) and as a volunteer at Australia
- 02/2011 Member of China Designers Association (China)
- 01/2011 First Prize in the 2nd Annual Fine Art Works Exhibition of Chinese Art Universities
- 2011 Third Prize in Creative China • The 5th National Design Art Competition
- 2009 & 2011 Annual second-class Scholarship (ZJUT)
- 06/2011 Bronze Prize in Art Exchange Exhibition for College Students between mainland China and Taiwan
- 08/2010 Co-founder of "Art Fund" Association of ZJUT to help the impoverished children
- 10/2009 Vice President of Student Union of College (ZJUT)
- 2009 Founder of Network of Art of ZJUT, a technical communication platform for faculties and students
- 2009 Best Photography Award in Global Innovation Tournament launched by Stanford University

\* Leaving program without gaining the degree at the last year of RIT, and transfer to UPenn's MEBD program.