

Curriculum Vitae

Martin Miller

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Education:

University of Pennsylvania	Master of Architecture	09. 2010 - 06. 2012
Architectural Association	Advanced Architectural Design Studio	09. 2011 - 12. 2011
University of Colorado at Boulder	Bachelor of Fine Arts - Sculpture Minor	09. 2002 - 06. 2007
Universidad de Alicante	Language and Cultural Studies	01. 2006 - 06. 2008

Independent Practice

2015-present Antistatics: a practice based in Beijing and New York, with Mo Zheng. Founder and design director:
2014-present OMG: a collaboration with Caroline O'Donnell of CODA. Founder and collaborator.

Built work:

- 2018: Pussy Hut: Winner of Toronto Winter Stations Competition: an inhabitable knitted pussy hat.
2017: Primitive Hut: Commissioned by OMI International Sculpture Park, 2017. An OMG project in collaboration with Caroline O'Donnell/CODA. A decomposing pavilion using hemp, bioresin and manure.
2017: Mao House: a high strength concrete facade installation with concealed imagery, Beijing, China, 06 - 2017.
2016: CatenAIRies, Ningbo Museum of Art - Ningbo, China
Robotic Interactive Installation, 01 - 2016.
MultiLattice - China Ceramics Channel Art Museum - Beijing, China
Installation, 03 - 2016.
"The Event of Phoenix" Leaders' Meeting Tangshan Theatre Stage Art, Tangshan, China
Kinetic Stage Design, 06 - 2016.
Quying's Sun Mobile, Beijing, China
Interior Installation Art, 08 - 2016.

Competitions (a selection):

- 2018: Evita: Proposal for a clock tower using leftover material. CCA Biennial.
2017: *Pussy Hut*: Winter Stations Design Competition. Winner.
2016: Aviation Theme Mountain Resort Master Planning, Zhangshiyan, China
Master Planning/Architectural Design, 10 - 2016.
2015: Rickshaw, Competition entry for street festival, in collaboration with Storefront for Art and Architecture, 2015.
Finalist. In collaboration with Caroline O'Donnell/CODA
2015: Beijing New National Zoo - Beijing Municipal Administration Center of Parks - Beijing, China
One of Three finalists in invited competition for new zoo master plan.

Experience:

- Jenny Sabin Studio: Lead Designer/ Project Manager 2012-2016.
myThread Pavillion - Nike Flyknit Collective, New York, NY: Installation 09 - 2012.
PolyMorph - FRAC Centre, Orleans, France: Installation 02 - 2013.
myThread Pavillion - Nike Flyknit Collective, Berlin, Germany: Installation 4 - 2013.
PolyMorph Swatch - Exploratorium Museum, San Fransisco, CA: Installation 03 - 2014.

PolyVine - Philadelphia, PA: Public Arts Project 08-2014

ColorFolds - Cornell Council for the Arts, Kirigami, NSF EFRI ODISSEI,

Robotic Interactive Installation, Ithaca, NY, 9-2014.

PolyThread - Cooper Hewitt Smithsonian Design Museum, New York, NY, for "Beauty - Cooper Hewitt Design Triennial, 06-2014.

Research:

Leading Member of the Cornell Robotic Construction Laboratory (RCL)

Sabin Design Lab PolyBrick - Cornell University Research Project , Ithaca, NY Sabin Design Lab Research 07-2014
NSF EFRI ODISSEI, Ithaca, NY, Robotic Interactive Installation, 9-2014.

Teaching:

Cornell University, College of Architecture Art and Planning - Visiting Critic:

Spring 2018 Vertical Option studio exploring ornament in architecture through material efficiency and machinic experimentation.

Fall 2017 Coordinator, Second year Master of Architecture Core Studio exploring computational design, with Peter Stec.

Seminar exploring custom robotic as transformative spatial devices.

Seminar "Zimmer" with Caroline O'Donnell and Andy Ruina, exploring walking architecture.

Spring 2016 Master of Architecture Required Digital Drawing seminar.

Seminar exploring generative physics-based solvers as design tools.

Fall 2015 Second year Master of Architecture Core Studio exploring computational tools, with Jenny Sabin.

Seminar exploring digital fabrication techniques for developing 3d form through deformation of sheet based materials.

Spring 2015 Master of Architecture Required Digital Drawing seminar.

Seminar exploring digital fabrication techniques for developing 3d form through deformation of sheet based materials with Sasa Zivkovic.

Spring 2014 Master of Architecture Required Digital Drawing seminar.

Seminar exploring custom robotic as transformative spatial devices

Fall 2014 Seminar exploring implementation of environmentally aware custom robotic forms.

Fall 2013 Elective Design Studio exploring potentials of environmentally aware robotics as large scale intervention.

University of Pennsylvania, School of Design, Master of Architecture Program

Spring 2013 Master Design Studio Teaching Assistant to Scott Erdy.

Fall 2012 Master Design Studio Teaching Assistant to Matias Del Campo.

Computational Design Workshops, Fall and Spring 2011, 2012, 2013.

Awards and Recognitions:

2017: Recipient of a NEXUS-NY grant. NEXUS-NY is a clean energy seed accelerator providing support for innovation in sustainable entrepreneurship.

2017: Antistatics wins 2018 Toronto Winter Stations Design Competition with *Pussy Hut*.

2016: Antistatics wins Design Innovation Award, Beijing, China.

2016: PS1/MoMA Young Architects Program Nomination

2015: Autocad Pier One competition. Second Prize.

2015: Storefront for Art and Architecture, Finalist for Rickshaw, with Caroline O'Donnell.

Published Articles:

polyBrick: Variegated Additive Ceramic Component Manufacturing.

Jenny E. Sabin, Martin Miller, Nick Cassab. "Polybrick: Variegated Additive Ceramic.

Component Manufacturing(ACCM)" 3D Printing. VOL. 1 NO. 2, 2014.

Concrete Printing, Acadia, with Chris Battaglia and Sasa Zivkovic, Acadia 2016.