TIFFANYCHENG

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OLGASTR. 101, STUTTGART 70180, DE

Education

2014 - 2016

Harvard University
Master in Design Studies | May 2016

Graduate School of Design, Technology concentration
Earned grades of "Distinction" and "High Pass"

2007 - 2012

University of Southern California
Bachelor of Architecture | May 2012

School of Architecture, Architecture major - 3.47 architecture GPA
School of Cinematic Arts, Digital Studies minor - 3.95 minor GPA
Graduated with Honors in Multimedia Scholarship

Professional Experience

JUNE 2017 - PRESENT

Institute for Computational Design and Construction
Research Associate | Stuttgart, Germany

Leads the institute's group on additive manufacturing for programmable
material systems, by researching shape-change as a form of material robotics
and building the complimentary software and hardware tools for its fabrication.

Achim Menges | icd.uni-stuttgart.de

NOV 2014 - MAY 2017

Material Processes + Systems Group @ Harvard GSD
Research Associate | Boston (Cambridge)

Developed novel material and robotic systems for topics including Protoceramics
(exhibited at Cevisama 2015), 3D-printed clay (exhibited at Cevisama 2017), and
carbon fiber composites utilizing emerging fabrication technologies.

Martin Bechthold | research.gsd.harvard.edu/maps

MAY 2012 - MAY 2014

Fernando Vazquez/Studio
Project Designer | Los Angeles (Marina del Rey)

Managed projects for Metro, Planned Parenthood, WORKS, and Mitsui Fudosan from
schematic drawings to construction documents by coordinating with engineering teams
and interfacing with clients. Designed and published company monograph.

Fernando Vazquez | www.studiofv.com

MAY 2010 - SEP 2010

P-A-T-T-E-R-N-S
Architectural Intern | Los Angeles (Silverlake)

Produced final drawings, diagrams, and renderings for the Kaohsiung Maritime
Cultural & Pop Music Center proposal; helped develop the Kaohsiung Port Station
Urban Design proposal from conceptualization to final production.

Marcelo Spina | www.p-a-t-t-e-r-n-s.net

Teaching & Leadership

WINT'17

Stuttgart University ITECH
Master Thesis | Advisor

FALL'16

MIT Media Lab
How To Make [Almost] Anything | Teaching Assistant

SPRI'16

NuVu Innovation School
Data-Driven Design | Teaching Coach

Skill Sets

Fabrication & Hardware

- Woodworking
- 3D printing
- Laser cutting
- CNC milling
- Electronics design
- PCBs + stuffing
- Machine design
- Robotics (ABB, KUKA)

Digital Tools & Computation

- Adobe Suite
- Final Cut Pro
- AutoCAD
- Revit
- EAGLE
- MasterCAM
- PartWorks CAM
- Rhino + RhinoScript
- Grasshopper
- Unity 3D
- Maya + MELscript
- CATIA / DP
- MaxMSP

Programming Languages & IDE

- JavaScript + libraries
- Node.js
- D3.js
- HTML5 + CSS3
- PHP
- C#
- C (Arduino)
- Processing
- Kinect SDK
- Android SDK

Natural Languages

Fluent: Taiwanese, Mandarin Chinese
Basic: German

Recognition

Awards

2016 MDesS Thesis R&D Award
2012 Raymond S. Kennedy Award
2012 USC Webfest competition winner
2011 Shoah Foundation Student Voices contest
2011 Architectural Guild Studio Fund Award
2010 USC Webfest competition winner

Exhibitions

2015 Material Practice at Harvard Gallery 224
2011 DTLA Artwalk Architecture exhibition
2011 DigitalFuture exhibition in Shanghai
2011 Marnell Experimental Program in Italy
2011 Zagreb Jewish Film Festival in Croatia

Press

2015 ArchDaily
2013 suckerPUNCH
2012 USC IDWRKS
2011 Domus China