

Derek Ouyang

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Education

Stanford University, California

2015 M.S. in Structural Engineering & Geomechanics

2013 Dual B.S. in Civil Engineering & Architectural Design with Distinction, GPA 3.914

Arcadia High School, California, Class of 2009, Valedictorian

Skills

Software – SketchUp, Adobe Creative Suite, Autodesk Building Design Suite, MATLAB, ETABS
Certifications – Engineer in Training, 30 hour OSHA, Autodesk Revit Professional

Work Experience

2008: California Institute of Technology – *Firestone Laboratory*

Material Physics, under Christopher Kovalchick and Dr. Guruswami Ravichandran

2008: Power, Environmental & Energy Research Center – *Covina, California*

Mechanical Engineering, under Dr. Sheng Wu and Dr. Yongchun Tang

2010: Kornberg Associates – *Menlo Park, California*

Architectural Design (Revit) under Ken Kornberg and Waldek Kaczmariski

2010: Camargo Associates – *San Jose, California*

Architectural Design (SketchUp) and Modeling under Maurice Camargo

2010: Stanford University – *Civil & Environmental Engineering Department*

Biocomposites & Fiber-reinforced Concrete Research, under Professor Sarah Billington

2011: Judlau Contracting – *New York City, New York*

Construction Management, Corbin Building Historical Restoration, MTA Project

2011: Stanford University – *Civil & Environmental Engineering Department*

Project-Based Learning Lab Research Assistant, under Renate Fruchter

2012: Cody Anderson Wasney Architects – *Palo Alto, California*

Architectural Design under Christopher Wasney and Monty Anderson

2013: Stanford University Solar Decathlon Team

Project Manager, led a team to design and build a 1,000 ft², net-zero home which placed fifth in the U.S. Department of Energy's 2013 Solar Decathlon in Irvine, CA

2014: Cloud Arch Studio (www.cloud-arch.com)

Co-Founder, design & engineering company, clients include Google, City of SF

2015: Stanford University – *Civil & Environmental Engineering Department*

Lecturer, Organizer of Global Urban Development Program (gudp.stanford.edu)

2015: The Nueva Upper School – San Mateo, CA

Instructor for 9th-11th graders, Architecture Elective

References

Glenn Katz, Lecturer at Stanford – glenn.katz@autodesk.com

Jim Leckie, Professor of Civil & Environmental Engineering at Stanford – leckie@stanford.edu

John Barton, Architectural Director at Stanford – jhbarton@stanford.edu

Renate Fruchter, Director of Project-Based Learning Lab – fruchter@stanford.edu