curriculum vitae   Ian Ting                                    ianting@princeton.edu
                                                                 1-203-390-0228

## Education

|  | princeton, new jersey |
|---|---|

2019 - current   Princeton University
                 master of architecture candidate (class of 2022)

ann arbor, michigan

2011 - 2016   University of Michigan
              bachelor of science in architecture

## Work Experience

2019 - current   C.R.E.A.TE Laboratory - Princeton University        princeton, new jersey
                 research assistant
                 robotic assembly research; projects: lightvault, acadia workshop, etc.

2017 - 2019   Pelli Clarke Pelli Architects                   new haven, connecticut
              designer
              projects: philippines new senate competition, austin block 85, muscarelle
              art museum, toranomon-azabudai tower tokyo, houston rosewood hotel

2017   Synecdoche Design Studio                              ann arbor, michigan
       maker-designer
       lead role in fabrication of furniture and interior installation projects

2015 - 2016   T+E+A+M                                        ann arbor, michigan
              architectural assistant
              projects: Detroit Re-assembly Plant; Ragdale Ring Competition 2016

summer 2014   Atelier FCJZ 非常建筑                              beijing, china
              architecture intern

2011 - 2012   RVTR                                           ann arbor, michigan
              undergraduate research assistant
              projects: Resonant Chamber; Post-Carbon Highway; Infra-Eco-Logi-Urbanism

## Teaching

             Teaching Assistant - Princeton University

spring 2021   engineering 250: Community Project Studios (professor: Michael Littman)
              acted as lead instructor responsible for organizing machine tutorials, directing student
              projects and setting up and maintaining a new 150sqm makerspace.

fall 2021    engineering 202: Designing Sustainable Systems (professor: Forrest Meggers)
             held precepts and directed student projects in designing and building iot sensing devices

fall 2020    architecture 311: Building Systems (professor: Stefana Parascho)
spring 2020  architecture 374: Computational Design (professor: Stefana Parascho)
             prepared instructional materials for and led exercises in computational design and
             robotic fabrication, held office hours and provided project feedback and grading

             Instructor - Princeton Academy of Art
summer 2020  Introduction to Spatial Design
             designed and led course for highschool students to learn fundamentals of
             design and architecture through physical modeling and drafting exercises

Academic Activity

|            | Pidgin Architecture Journal - Princeton University |
|------------|----------------------------------------------------|
| 2019 - 2020 | editor, issues 26, 27, 28 |

|           | ACADIA 2021 Workshop: Remote Robotic Assemblies |
|-----------|--------------------------------------------------|
| fall 2021 | assisted in the design, organization, and facilitation of real-time remote assembly of space-frame structure using 6-axis robots |

Awards + Grants

2021    Princeton Mellon Initiative Grant (Princeton University)
        project: "Robotic Clay Fabrication and Nonplanar Form-Making"
        developed a grasshopper-arduino controller, clay extruder, and cooperative robotic 3d-printing process

2020    Humanities Council Magic Mini-Grant (Princeton University)
        project: "Remote Communications for Architectural Robotics in Education"

2020    Connecticut Architecture Foundation Scholarship

2016    Foreign Language and Area Studies Summer Fellowship (University of Michigan)
        Japanese Language Studies, Intermediate Level

2015    Honors Thesis Fellowship (University of Michigan)
        project: "Modes of Spatial Representation in Late Imperial China and the Lei Family Architects"

2015    International Institute Individual Research Grant (University of Michigan)
        project: "Yangshi Lei Architectural Archive Research"

2015    Architecture Student Research Grant and Exhibition (University of Michigan)
        project: "Hyper Unreal: Spatial Interaction inside Two-and-a-half Dimensions"

2012    University of Michigan Energy Institute Summer Fellowship (University of Michigan)
        project: "Post-Carbon Highway" w/ RVTR

Publications

2021    "Robotic additive construction of bar structures: Unified sequence and motion planning", Construction Robotics, vol. 5. Link
        Authors: Yijiang Huang, Caelan Garrett, Ian Ting, Caitlin Mueller & Stefana Parascho

2020    "Human-robot collaboration: a fabrication framework for the sequential design and construction of unplanned spatial structures", Digital Creativity, 4. Link
        Authors: Edvard P. G. Bruun, Ian Ting, Sigrid Adriaenssens & Stefana Parascho

Skills

languages: English (native), Mandarin (limited working), Japanese (limited working)
software: Adobe Creative Suite, Rhino, Grasshopper, Python, Arduino, Unity C#, Vray
fabrication: Woodworking, Welding & Metals, CNC Routing, 3d Printing, 6-DOF Industrial Robots