

Education

2019 - current	Princeton University master of architecture candidate (class of 2022)	princeton, new jersey
2011 - 2016	University of Michigan bachelor of science in architecture	ann arbor, michigan

Work Experience

2019 - current	C.R.E.A.TE Laboratory - Princeton University research assistant ongoing projects prototype robotic assembly and computational fabrication	princeton, new jersey
2017 - 2019	Pelli Clarke Pelli Architects designer worked on competition, concept, and schematic design phases of cultural, corporate, and mixed-use projects in the us, netherlands, philippines, and japan	new haven, connecticut
2017	Synecdoche Design Studio maker-designer lead role in fabrication of furniture and interior installation projects	ann arbor, michigan
2015 - 2016	T+E+A+M architectural assistant projects: Detroit Re-assembly Plant; Ragdale Ring Competition 2016	ann arbor, michigan
summer 2014	Atelier FCJZ 非常建筑 architecture intern	beijing, china
2011 - 2012	RVTR undergraduate research assistant projects: Resonant Chamber; Post-Carbon Highway; Infra-Eco-Logi-Urbanism	ann arbor, michigan

Academic

fall 2021	Teaching Assistantships - Princeton University engineering 250: Community Project Studios (professor: Michael Littman)
spring 2021	engineering 202: Designing Sustainable Systems (professor: Forrest Meggers)
fall 2020	architecture 311: Building Systems (professor: Stefana Parascho)
spring 2020	architecture 374: Computational Design (professor: Stefana Parascho)
summer 2020	Instructor - Princeton Academy of Art Introduction to Spatial Design
2019 - 2020	Pidgin Architecture Journal - Princeton University editor, issues 26, 27, 28
fall 2021	ACADIA 2021 Workshop: Remote Robotic Assemblies assisted in the design, organization, and facilitation of real-time remote space-frame assembly using 6-axis robots

Awards + Grants

- 2021 Princeton Mellon Initiative Grant (Princeton University)
project: "Robotic Clay Fabrication and Nonplanar Form-Making"
- 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 Archival 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", 3D Printing and Additive Manufacturing.
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.
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, Vray, Unity
fabrication: Woodworking, Welding & Metals, CNC Routing, 3d Printing, 6-DOF Industrial Robotics