Education

University of Virginia

Master of Architecture (2018 - 2021)

- 2021 King Medal for Excellence in Architectural Research
- 2021 AIA Virginia Best in School competition winner
- Teaching Assistant for advanced computation design courses and undergraduate studios

University of Chicago

Bachelor of Science, Mathematics (2013 - 2017)

Experience

City of Boston

Urban Designer II (July 2024 - February 2025)
Urban Designer I (July 2021 - July 2024)

- Led design and development review of over 125 proposed development projects, ranging from small-scale home additions to multi-unit residential infill to 100,000+ square foot life science developments.
- Created dimensional standards for new mixed-use zoning districts through analysis of market precedents, 3D feasibility analysis, and building code research.
- Led planning and rezoning studies in collaboration with city planners; including block-level studies, neighborhood community plans, and citywide rezoning.
- Developed parametric models to test zoning dimensions and assess ADU feasibility in residential neighborhoods.
- Facilitated public engagement meetings, including one-on-one office hours, in-person workshops, and online town halls.
- Designed graphic materials and images for public presentations and planning documents.

After-Architecture

Computational Design Research Assistant (Spring 2021)

- Designed, prototyped, and fabricated jigs for photographing and milling bamboo logs.
- Developed computational design scripts to generate 3D models of bamboo logs from photographs.
- Derived and executed milling toolpaths for KUKA robot using Grasshopper and Fusion360.

Skills

- CAD: Rhino, AutoCAD, Revit, Sketchup
- COMPUTATIONAL DESIGN: Grasshopper, Python, Fusion360, RStudio
- VISUALIZATION: Adobe Creative Suite (Illustrator, Photoshop, InDesign, AfterEffects), Lumion, V-Ray, Bluebeam
- MAPPING: ArcGIS Pro, QGIS
- MODEL MAKING: Woodworking, laser cutting, 3D printing, robotic fabrication
- OTHER / INTERESTS: Furniture design, fiction writing, theater performance and design