



CAROLINE AMSTUTZ

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EDUCATION

2020 - 2024

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MA

Master of Architecture, February 2024

Department of Architecture Graduate Fellowship full merit scholarship.
Coursework in design, computation, building technology, and theory.
Thesis: *Fricititious Matters* defended December 2023 at the MIT Media Lab.

2015 - 2019

WASHINGTON UNIVERSITY IN ST. LOUIS, ST. LOUIS, MO

Bachelor of Science in Architecture, May 2019

Magna Cum Laude, Minor in Art at the Sam Fox School of Design & Visual Arts.
Coursework in digital and analog design, building systems, and fine arts.
Deans list all semesters enrolled.

Abroad, Fall 2018 - SANTA REPARATA INTERNATIONAL SCHOOL OF ART, FLORENCE, IT.

Lived and studied abroad in Florence, Italy. Full architecture studio coursework in addition to renaissance architectural history and Italian language.

EXPERIENCE

2022-PRESENT

MATTER DESIGN, CAMBRIDGE, MA

Research Lead

Advance design, research and fabrication work for Matter Design's industry collaboration with a global concrete supplier, involving closely crafted design work, on-site fabrication, and collaboration with the international team.

SUMMER 2022

Research Assistant

Fabricated highly crafted flip-milled maple and naturally dyed fiber objects for installation piece "Ancient Entanglements" at Wasserman Projects, Detroit.

SUMMER 2021

MOBILE OFFICE ARCHITECTS, GUEMES ISLAND, WA

Design - Build Intern

Summer resident for MOA's pilot program SMALL PROJECT STUDIO, an immersive design-build internship where early-career architects learn to integrate craftsmanship and construction process through architectural design. Participated in design charrettes and led the design and construction of the kitchen. Honed craftsmanship in CNC fabrication and acquired skills in assembling architectural envelopes, crafting custom cabinetry, electrical wiring, casting concrete while gaining competence using a wide range of construction tools.

2019 - 2020

MANCINI : DUFFY, NEW YORK, NY

Junior Architectural Designer

Design team member for corporate interior revitalization project. Responsible for producing drawings and details, schematic design through construction documentation in Revit. Produced rendered animations in Lumion and digital models to be experienced by clients in VR (unity).

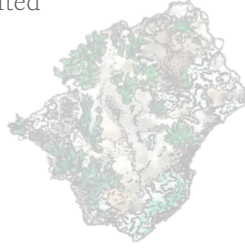


SUMMER 2018

PATTERHN IVES LLC, ST. LOUIS, MO

Emerging Professional

Involved in ideation and documentation of schematic design phase for residential clients. Prepared thoughtful and thorough client presentations. Digitally modeled details for spatial problem-solving. Constructed and documented highly crafted physical models.



ACADEMIC

2023

CORE III, COMPREHENSIVE DESIGN STUDIO, MIT SA+P

Teaching Assistant

Assisted the curriculum development and coordination for the comprehensive final core studio of the M.Arch sequence. Provided critique, design insight, and technical guidance to students in one-on-one desk crits and group pin-ups.

2021-2023

ARCHITECTURE FABRICATION LABS, MIT SA+P

Shop TA 2022-2023, Shop Monitor 2021-2022

Assist students with operation and maintenance of fabrication shop tools, from laser cutters to hand tools. Work one-on-one with students to creatively translate design ideas into physical fabrications.

2018 - 2019

[DHD] DEREK HOEFERLIN DESIGN, ST. LOUIS, MO

Research Assistant

Conducted research and produced drawings for ongoing design-research project "Watershed Architecture" supported by Washington University in St. Louis. Investigated the relationship of political conditions to watershed health in the Mississippi, Rhine, and Mekong rivers

2018 - 2019

INTRO TO DESIGN PROCESSES II, WASHINGTON UNIVERSITY

Teaching Assistant

Selected as T.A. for required second semester freshman architecture studio. Facilitated teaching digital design including Rhino, digital drawing, and model building skills. Prepared and presented tutorials.

PUBLICATIONS

JAN. 15, 2021

THE WATERSHED ARCHITECTURE OF THE MISSISSIPPI RIVER BASIN

The Anthropocene Review, The Mississippi Issue

Collaboration with Author: D. Hoeflerlin. Contributed to scholarship and research on the stewardship and political governance of the Mississippi River. Produced Figure 2. "Mississippi River Basin Management Regimes."

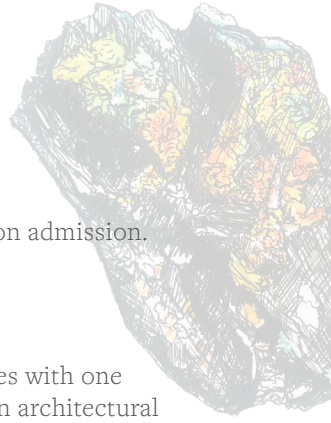
MAR. 12, 2020

THE WATERSHED ARCHITECTURE OF THE MEKONG RIVER BASIN

Journal of Architectural Education, Volume 74, Issue 1

Collaboration with Author: D. Hoeflerlin. Contributed to scholarship and research on the political and economic management of the Watershed Architecture of the Mekong River. Produced Figure 7. "Mekong River Basin Management Flow Chart."





AWARDS

2020-2024

GRADUATE FELLOWSHIP

Massachusetts Institute of Technology, Department of Architecture

Awarded a full tuition merit scholarship for the program duration upon admission.

JUNE 2022

SYDNEY B. KAROFSKY '37 PRIZE

Massachusetts Institute of Technology, Department of Architecture

Awarded to two outstanding Masters of Architecture degree candidates with one further year of study who have demonstrated the highest excellence in architectural studies.

JUNE 2019

FREDERICK WIDMANN PRIZE IN ARCHITECTURE

Washington University in St. Louis, College of Architecture

Presented to one undergraduate annually, the prize is awarded by a College of Architecture faculty to a student demonstrating excellence in their academic career. "Through a bequest from the late Frederick Widmann, an annual prize of at least \$1,500 is offered to the best architectural student in the university."

2018-2019

THE ELIZABETH S. SCHMERLING ENDOWED SCHOLARSHIP

Washington University in St. Louis, College of Architecture

Merit scholarship awarded by a faculty committee to up to three students in their final year of study who demonstrate superior academic performance, innovative thought, and a commitment to the study and understanding of architecture.

JANUARY 2017

LASKEY CHARRETTE AWARD

Washington University in St. Louis, College of Architecture

Sophomore design charrette competition winner, awarded by outside jury.

SKILLS



DIGITAL

After Effects, Arduino, AutoCAD, Blender, Illustrator, InDesign, Photoshop, Lumion, Rhinoceros + Plug-ins (Climate Studio, Grasshopper, Karamba), Revit, V-Ray, QGIS, MasterCam, CNCjs, Microsoft Office Suite *

ANALOGUE

drafting, watercolor, model making, casting, ceramics, machine assembly (prototyping, wiring, and actuation) CNC milling, woodshop + on-site fabrication tools (...cutting, joining, finishing...) printmaking techniques (...screenprint, block, monotype, letterpress...) and book binding techniques (...coptic, side-sewn, accordion, perfect...) *

* AND CONSTANTLY ADDING MORE TO MY REPERTOIRE !

