

S O F I E

B E L A N G E R

CONTACT

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Portfolio:

<http://sofiebelanger.us>

EDUCATION

Massachusetts Institute of Technology
Bachelor of Science in Architecture
June 2017
GPA: 4.9/5.0

Relevant Coursework:

Geometric Modeling
Environmental Building Systems
Architecture Design Studio
Structural Systems
Creative Prototyping
Visual Computing
Art, Design, and Spatial Practice
Architecture in Motion Graphics

SKILLS

Rhinoceros
Grasshopper
3DS Max
Autodesk Fusion 360
V-Ray for Rhino
V-Ray for 3DS Max
Autodesk Maya Animation
Rhino script (C#)
Basic Python
Arduino Electronics
Basic Processing
Adobe Illustrator
Adobe Photoshop
Adobe InDesign
Adobe Premiere
Basic Revit
AutoCAD drafting
Unity 3D Basics
Woodworking & Shop Tools
Laser-cutting
Sketching
Film Photography
Microsoft Office Applications
Fluency in Danish

WORK & RESEARCH EXPERIENCE

NuVuX & Hillside: Marlborough, MA

NuVu Fellow & Innovation Lab Director: October 2017- Present

- Set up a design studio at Hillside School as part of an elective curriculum.
- Organized ordering materials and keeping track of a budget to set up a studio space for students to create their projects.
- Coached four studios at different age groups through the design process; taught students the iterative process and how to evaluate design decisions.

NuVu Studio: Cambridge, MA

Assistant Coach: July - August 2017; Coach: August - October 2017

- Coached studios with middle and high school students, working with them to develop innovative projects.
- Helped students understand the iterative and collaborative design process.
- Taught tutorials introducing students to new concepts and software skills.

Reverse Architecture: Somerville, MA

Intern: January 2016

- Redesigned the balustrade of a Somerville home using form finding tools in Grasshopper and Rhino modeling software to create a dynamic shape.
- Incorporated feedback into the final design to meet the client's desires.

Simpson Gumpertz & Heger: Waltham, MA

Technical Intern: June - August 2015

- Contributed to a variety of built projects; used AutoCAD and Revit for drafting.
- Scripted a new design tool in Rhino and Grasshopper to assist architects in early design phases by providing structural information.
- Conducted waterproofing tests at construction sites.
- Participated in walk-throughs and client meetings while observing the communication between the disciplines in construction of new or restoration projects.

MIT Self Assembly Lab: Cambridge, MA

Research Assistant: September - December 2015

- Assisted in the development of innovations in the field of programmable materials that can self-fold or transform in a predicted manner.
- Fabricated transforming carbon fiber prototypes; experimented with new ideas such as rock jamming and printable bio sensing tattoos.

UROP: Cambridge, MA

Undergraduate Research Opportunities Program: June - August 2016

- Self-directed learning animation software in 3DS Max and Autodesk Maya.
- Developed introductory skills involved in animation and visual effects.
- Established a work flow between software and editing tools.

MIT Mathematics Department: Cambridge, MA

Grader: September 2014 - December 2016

- Graded multi-variable calculus problem sets weekly.
- Communicated with the Teaching Assistant about possible subjects needing more review in recitation based on student performance.

EXTRACURRICULAR & LEADERSHIP

MIT Department of Architecture

June 2017

- Awarded the William Emerson Prize in Recognition of Academic Excellence.

MIT Division I Varsity Women's Lightweight Rowing

September 2013 - June 2015

- Awarded the 2015 Intercollegiate Rowing Association All-Academic distinction.

Undergraduate Practice Opportunities Program

September 2014 - May 2015

- Participated in a leadership program preparing for workplace success.
- Attended an intensive training session taught by MIT faculty and industry professionals to explore communication, decision-making, and teamwork.