

SEAN LAMB

+1 647 915 8251

seannlambarch@gmail.com

EDUCATION

- 2020 **Master of Architecture**
University of Toronto, Toronto ON
- 2015 **Bachelor of Environmental Design Studies (Architecture)**
Dalhousie University, Halifax NS
- 2012 **Bachelor of Science: Mathematics and Biology**
Minor in Computer Science
McGill University, Montreal QC

TEACHING

- 2020- **Guest Critic** *University of Toronto*
Recurring guest critic for ARC280: Modelling and Fabrication in Design
- 2019-2021 **Teaching Assistant** *University of Toronto*
Undergraduate:
ARC381: Technology Studio IV - 2021
ARC355: History of Urbanism - 2021
ARC253: Close Readings In Urban Design - 2020
Graduate:
ARC2023: Intermediate Computing - 2019, 2020
- Planned and led tutorials on urban design theory and environmental design, one-on-one desk crits, presentations on 3d modeling, grading, in-person and virtual office hours, managing digital teaching materials
- 2014 **Teaching Assistant** *Dalhousie University*
Software assistance assistant: prepared and led design software tutorials; provided on-call software assistance

OTHER PROFESSIONAL EXPERIENCE

- 2023- **Principal** *Spline, Toronto ON*
- Concept design, visualization, custom digital tools, design process guidance for projects with complex geometry and digitally-integrated processes
 - Client domains: installation art, digital fabrication, residential architecture, marine architecture
- 2022-2023 **Consultant** *Metafold and MESH Consultants, Toronto ON*
- Custom design solutions to client specifications for a major manufacturer
 - Collaborated with technical leads on methods for design with complex geometry
 - Developed presentation materials and tutorials
- 2018-2019 **Design Intern** *Schmidt Hammer Lassen Architects, Copenhagen DK*
- Team member for international invited competitions: cultural and institutional
 - Wrote Grasshopper and Python scripts deployed across the competition department
 - Team lead for several large-scale competition models
- 2017-2018 **Research Assistant** *Architecture (Prof. Brady Peters), University of Toronto*
- Led a team of four undergraduates in the design of a competition entry, culminating in a museum installation that won a People's Choice Award
 - Developed strategies and optimization tools for acoustic architecture and form-active structures
- 2016-2017 **Product Developer** *IPPINKA (Industrial Design/ECommerce Startup), Toronto ON*
- Oversaw design, manufacturing, and quality control for home products
 - Managed a team of three undergraduate interns through design, fabrication, promotion; taught drawing standards
 - Developed warehouse management software for North American distribution
- 2014 **Architectural Design Intern** *Sahuri + Partners Architecture Inc, Calgary AB*
- Prepared design development packages for three K-12 school renovations; met with community stakeholders
 - Concept design for a bandshell pavilion
- 2012-2013 **Research Technician** *Physiology, McGill University*
- Experimental design, grant writing, statistical analysis, custom software for display of visual stimuli
- 2010-2012 **Research Assistant** *Neurology and Biology, McGill University*
- Experimental design, statistical analysis, molecular biology

SKILLS

Design Software

Rhino + Grasshopper + V-Ray
Unity 3D + Steam Audio
Adobe Creative Suite
Blender, AutoCAD, Revit

Computational Modelling

Grasshopper, GHPython,
RhinoCommon, Kangaroo,
Ladybug, Pachyderm,
WallaceiX, Galapagos

Additional Software

Word, Excel, PowerPoint
Slack, Zoom, Miro, MS Teams
Google Drive suite, Git,
Blackboard Learn

Programming and Scripting

Python 3 + numpy + scipy
HTML + CSS + Javascript
Ironpython, C#, Processing,
GScript, Shell Scripting

Building and Fabrication

Prototyping:
3-Axis CNC Milling
5-Axis Robot Milling (Kuka)
Laser Cutting
3D Printing: Ultimaker, Project

Small scale building:

Installations, residential decks

Design for manufacturing:

Experience with sheet metal
and wood design

AWARDS

- | | |
|------|---|
| 2017 | People's Choice Award - Making Models
University of Toronto Art Center (Team Lead - competition entry and gallery installation) |
| 2015 | Newfoundland and Labrador Alumni Scholarship
Dalhousie School of Architecture |

PUBLICATIONS

- | | |
|------|---|
| 2018 | Spatial Sonic Networks: Simulating and Prototyping Acoustic Mirrors
Peters, B., Akiyama, M. Lamb, S., and Abu Ras, O.
eCAADe 2018 Conference Proceedings |
|------|---|

EXHIBITIONS

- | | | |
|------|-------------------------|----------------------------------|
| 2017 | <i>Making Models</i> | University of Toronto Art Centre |
| 2012 | <i>Emerging Artists</i> | Prestige Studios, Montreal QC |
| 2011 | <i>Liminal Spaces</i> | Fridge Door Gallery, Montreal QC |
| 2011 | <i>Nuit Blanche</i> | McGill University, Montreal QC |

COMMUNITY EXPERIENCE

- | | | |
|-----------|--|--|
| 2013-2014 | VP Finance | Dalhousie Architecture Student Association |
| 2013-2014 | Design Committee Representative | Dalhousie School of Architecture |