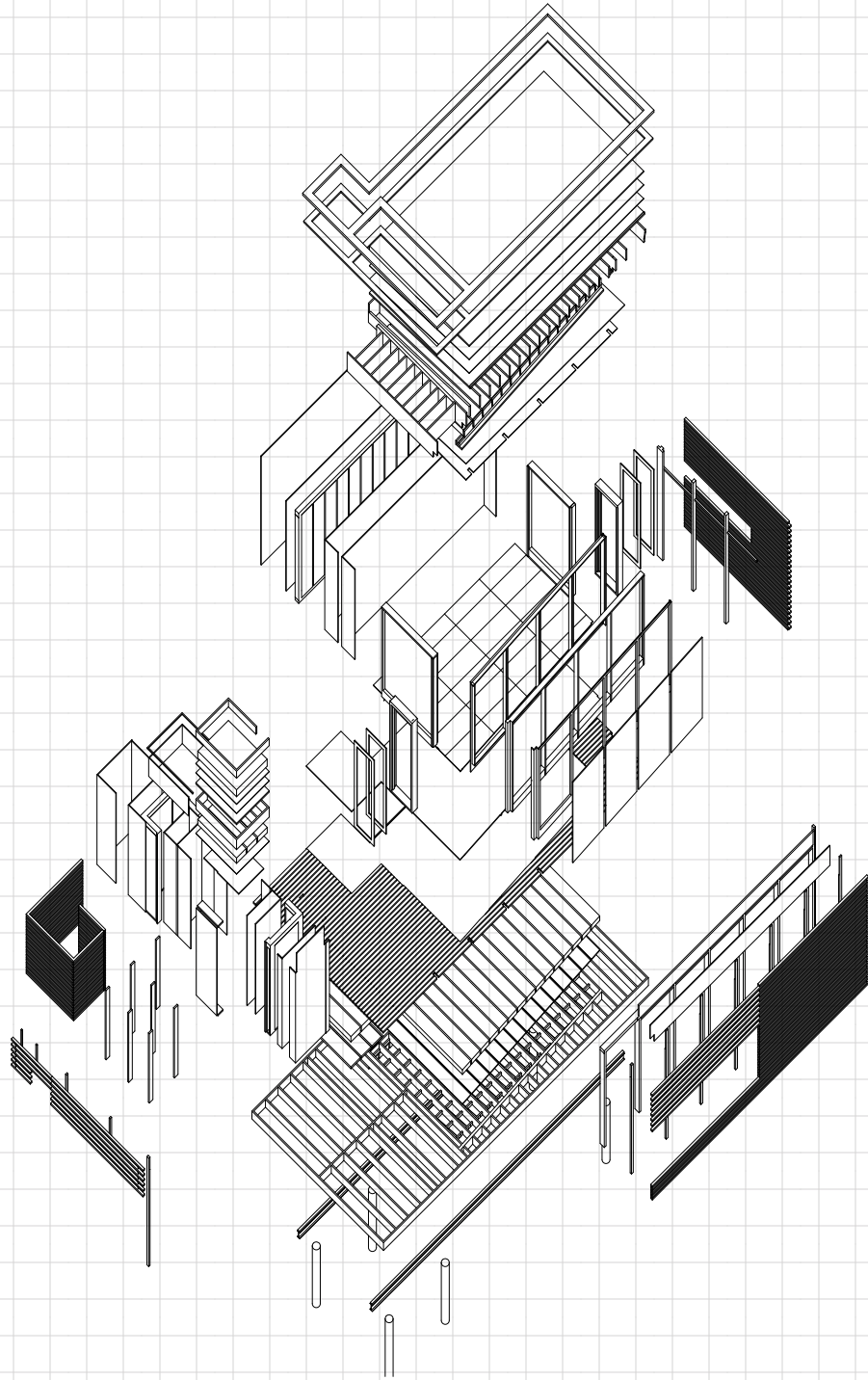
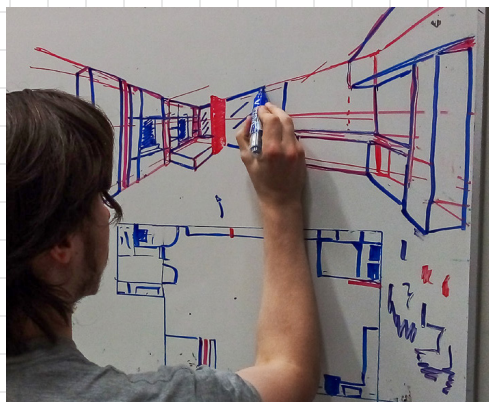




Portfolio 2023

By Léo Trédille

About Me



Léo Trédille

I have always been interested in designing and making objects that respond to everyday needs. This curiosity led me to architecture, where I found a way to combine creativity, problem-solving, and hands-on making.

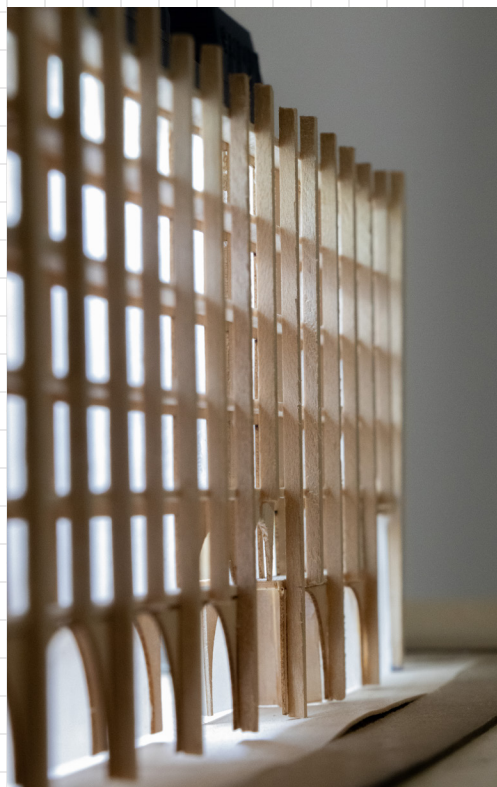
I am currently a third-year Architectural Science student with experience in model making, woodworking, and digital fabrication. In 2022, to recoup the cost of my first 3D printer, I started a small 3D printing business in Paris, providing 3D modelling and printing services for companies. Through my studies and personal projects, I have explored both digital and physical methods of making, using tools such as Grasshopper, parametric modelling, and various 2D and 3D modelling software.

I particularly enjoy the iterative process of prototyping in architecture, testing an idea through models, experimenting with materials and fabrication techniques, and refining a design through making. I hope to bring this hands-on experience to the makerspace while continuing to learn and explore new approaches to fabrication.

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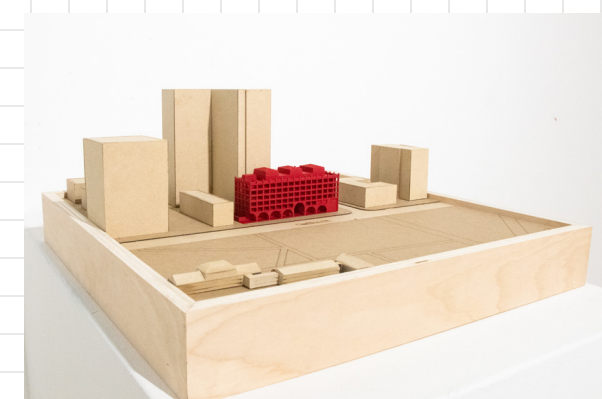
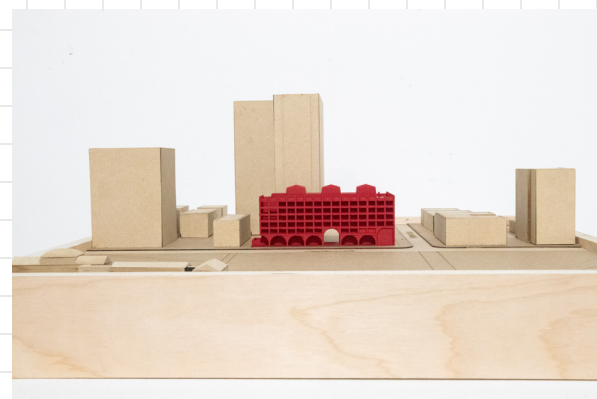
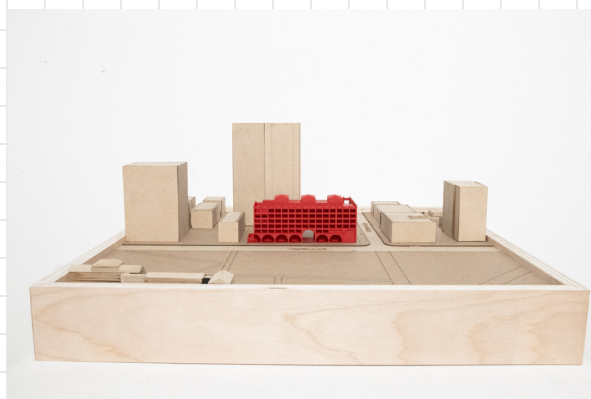
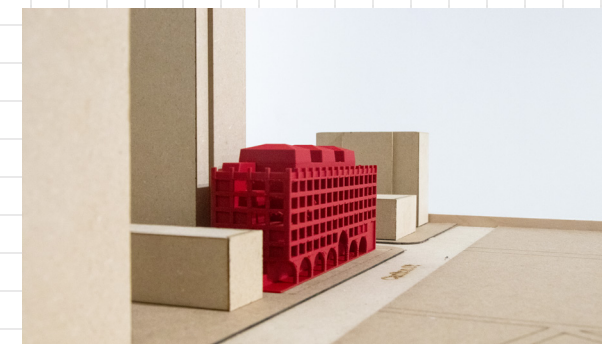
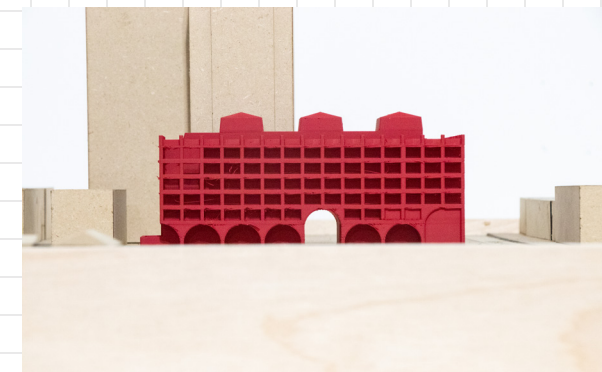
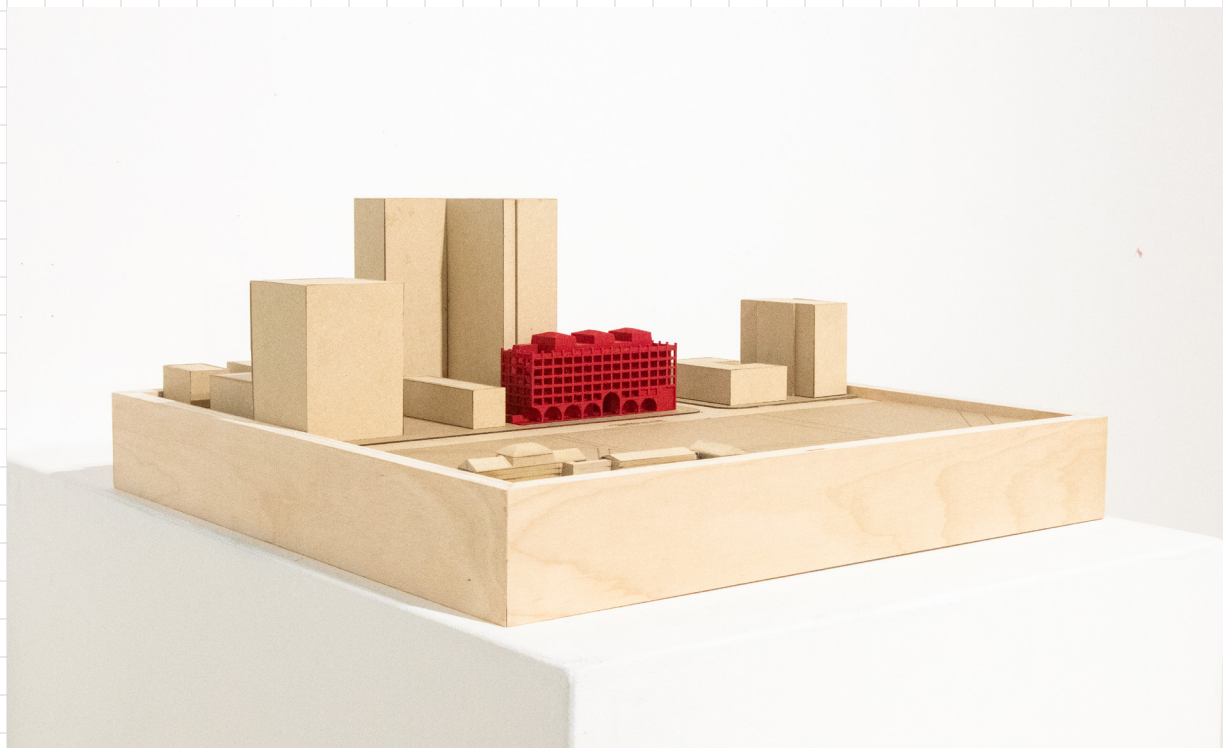
Model Making

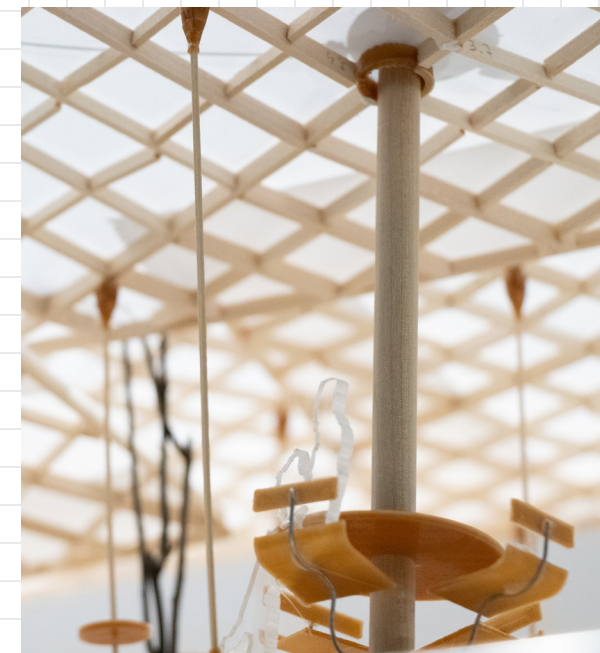


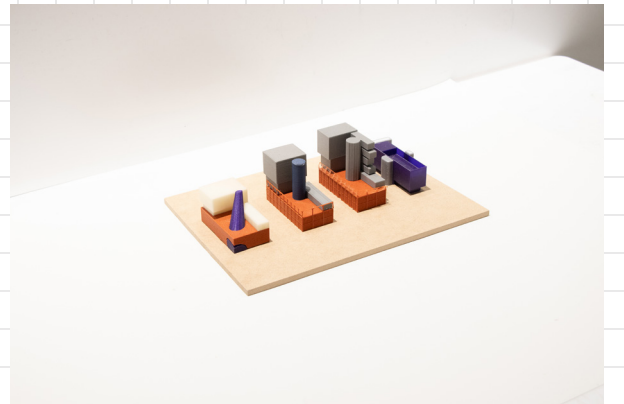
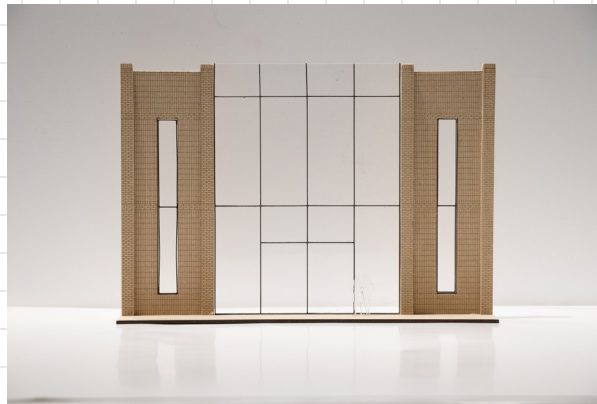
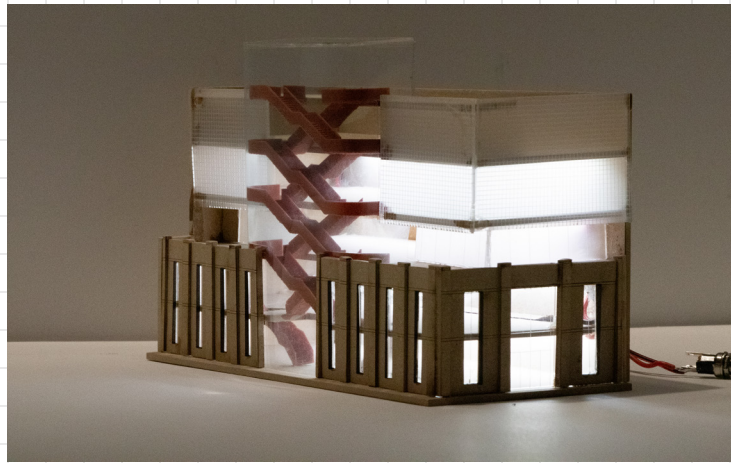
Architectural Models

Laser Cutting - Wood working - CAD modeling - 3D Printing - Soldering

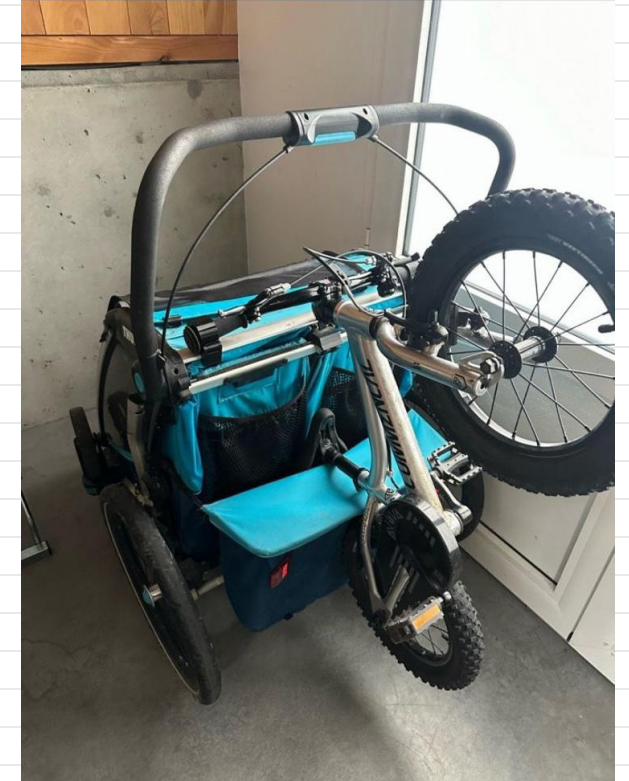
Architectural Science challenges us to create aesthetically compelling models within a limited timeframe, combining various materials and production techniques available through the school's facilities. Here is a selection of models produced during my second year.







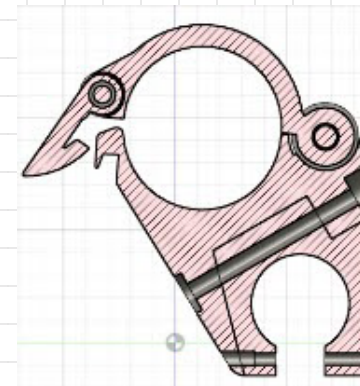
3D Design and Production

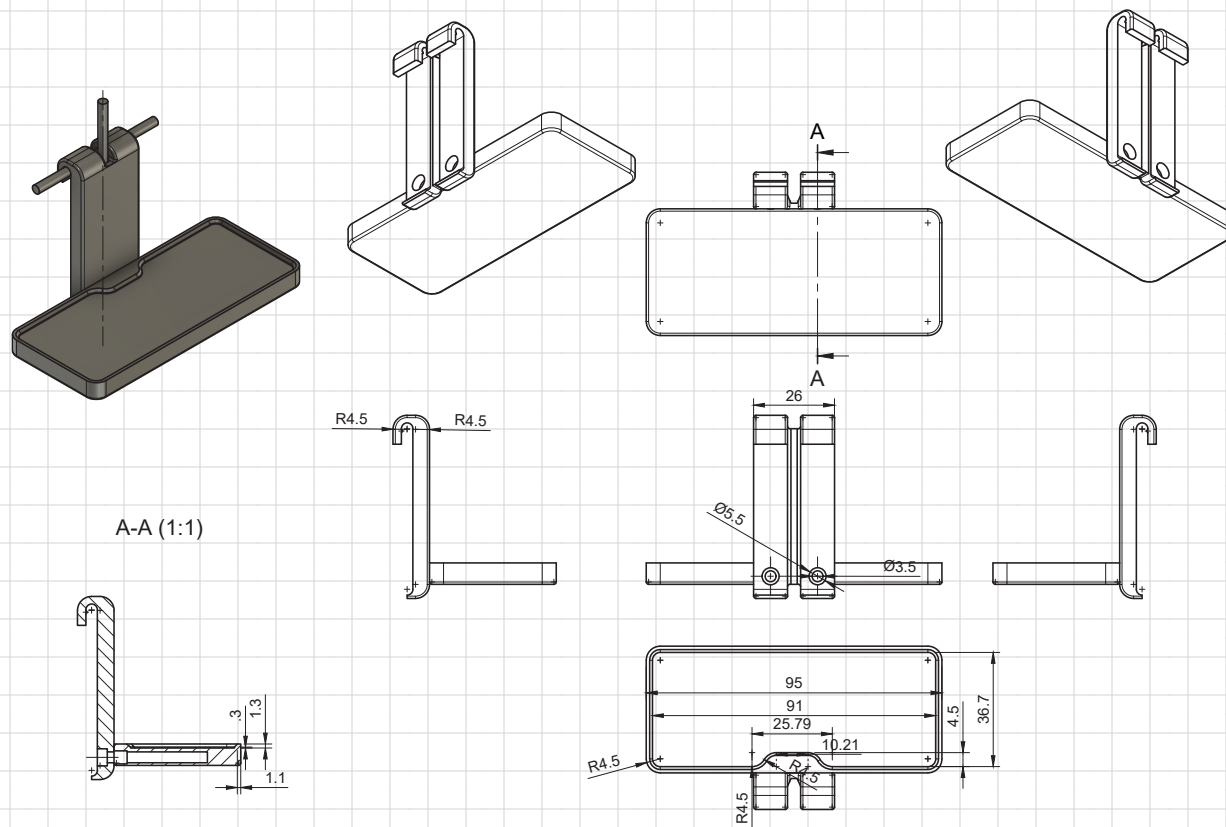


Bike support

CAD conception - 3D printing

This is a child bike-rack attachment for a cargo bike, which I designed, modelled, and 3D printed for a bike rental company. It is a printed in place model, made on a Prusa mks3+ using a 0.8mm nozzle and black PETG with heated insert for attachement.





Miniature car display

CAD conception - 3D printing

The second was a small attachment designed to connect to a metal grid, allowing miniature cars to be securely displayed as part of a children's car collection. Printed on a Prusa mk3s+ and an Anycubic Kobra 3



TMU DAS Design-Build



Glaciate

Woodworking

As part of my experience in the DAS, I was a member of the building team for the 2026 Winter Stations installation, Glaciate, designed by Finn Ferrall, Nicholas Kisil, and Marko Sikic. I contributed to the fabrication and construction alongside the design team by processing and preparing materials using the workshop's equipment and tools. This was a great experience for hands-on large-scale woodworking and collaborative work

