



About me



Hi! 🙌 I am Cristian Sánchez and I'm from Valencia, ☀️Spain. I graduated in 2017 in Industrial Design and Product Development Engineering with a specialization in Functional and Technical Design from the Jaume I University in Castellón (ES).

I consider design a functional tool aimed to simplify and improve both the working functionality and aesthetic of life. I believe conscious and sustainable 🌎 product design results in well-made, forever-lasting products that perform perfectly throughout their life cycle.

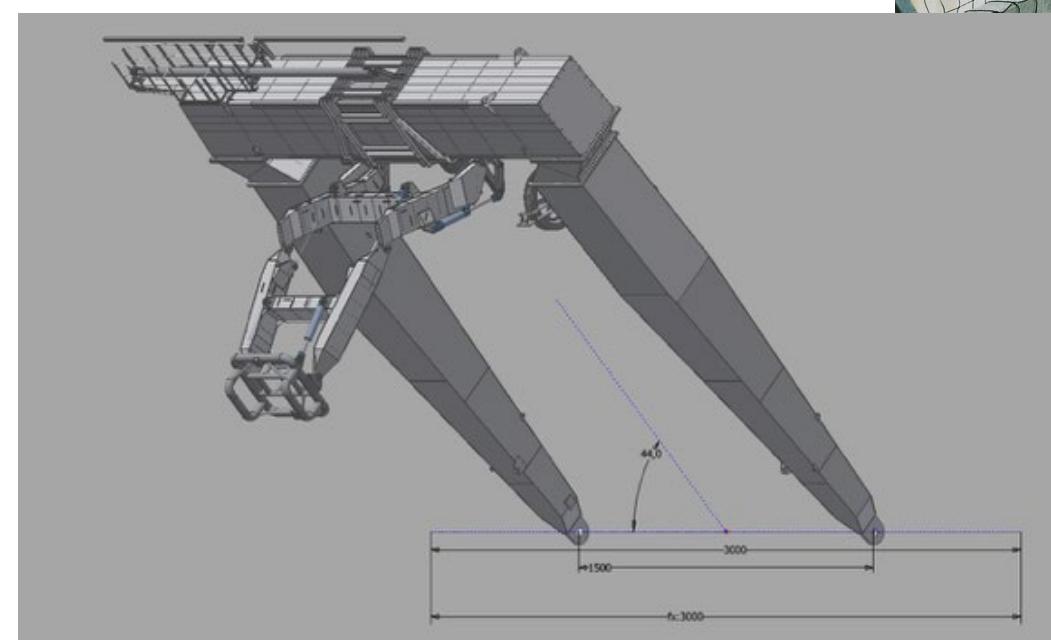
“You can always 📖 learn something new” is my motto as a continuously curious craftsman.

Cad/ Modeling Engineering at VanOord

Being part of Van Oord was a significant step in my career and personal development, allowing me to enhance my skills as an engineer, modeler, and industrial designer. I had the opportunity to contribute to various projects related to sustainable energy and the marine industry.

Van Oord is a Dutch company with over 155 years of experience in international hydraulic engineering. Its core values are sustainability, innovation, and cooperation, with the primary goal of contributing to a better world for future generations. The company focuses on solving global challenges and developing new solutions for its projects.

As a CAD/modeling engineer, my tasks were centered on delivering high-quality 3D models, from the basic structure to the final assembly, for various types of products, including structures, mechanical systems, clash detection analysis and problem solving. These models were used to generate engineering or fabrication drawings as needed or to create visualization models for storyboard development, depending on the project requirements. Teamwork, communication, time management, and data organization/storage were key factors in ensuring the highest quality standards in every project.



Technician at Nacho Carbonell Studio

Nacho Carbonell is a functional art and design studio where I was part of a team developing various personal and commissioned projects, from table lamps to massive concrete thrones and chandeliers with more than fifty led lightbulbs.

Anything that Nacho would have in his brain could become true. The projects were first in Nacho's notebook, and from there, we developed the pieces as a team. Some were unique pieces, and others followed a methodology that continuously improved and updated along the way.

My role in the team, composed of normally nine coworkers (an amazingly charming and familiar environment), was based on being the technician and troubleshooting person in the group - making the electrical part, the final touch in pieces, and getting them ready to be delivered to the art gallery or the final client. As a technician, I was also modeling and creating/updating specific parts of the pieces to make more sustainable and efficient working flows, as well as fast prototyping and testing some technical parts which could not be made by hand. Additionally I was in charge of making the assembling instructions, technical specifications, datasheets with electrical components and specific materials and care of the pieces. I was also responsible for handling stock materials related to my electrical department and contacting other professionals and companies in order to achieve our goals on time.



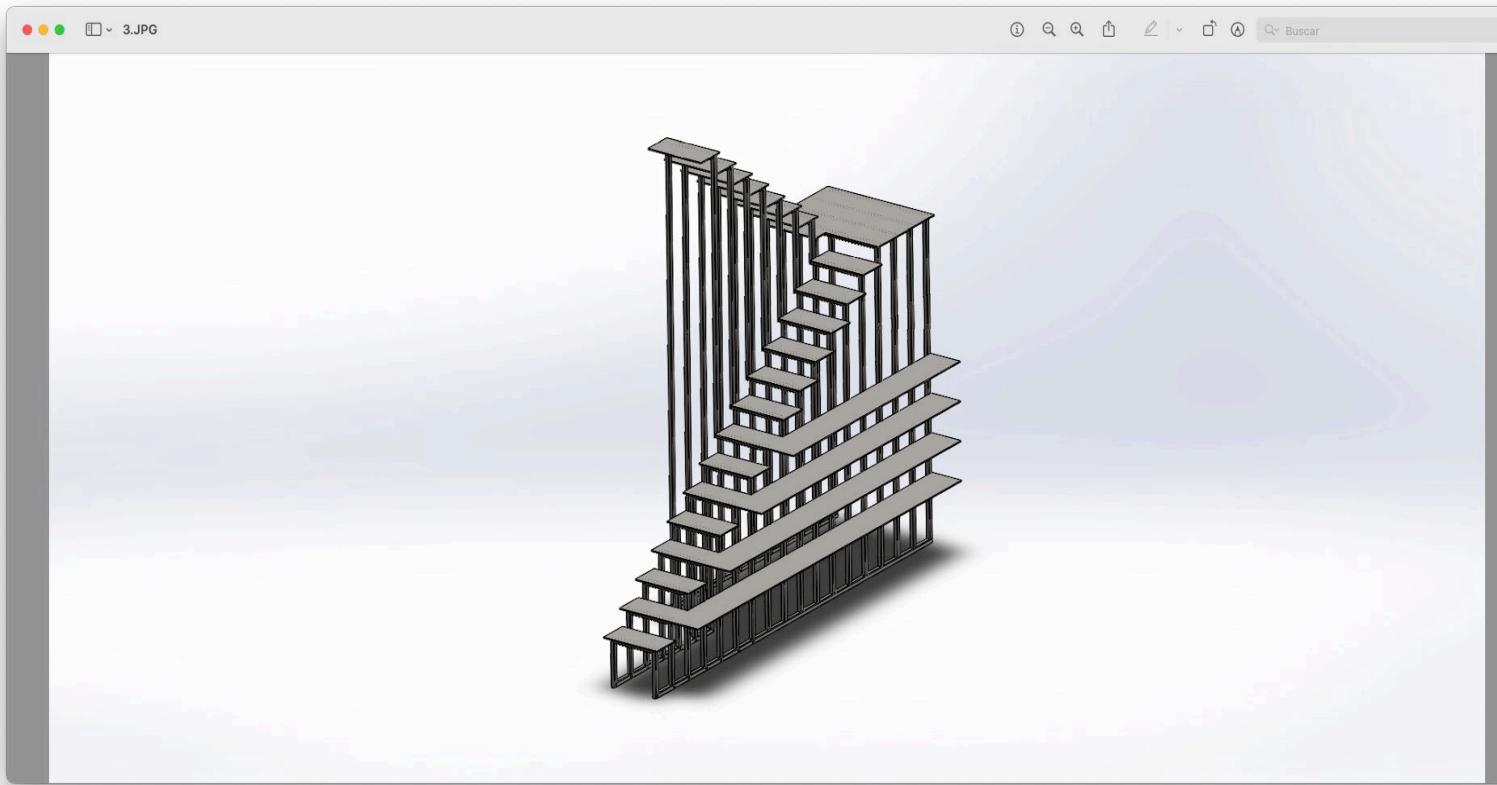
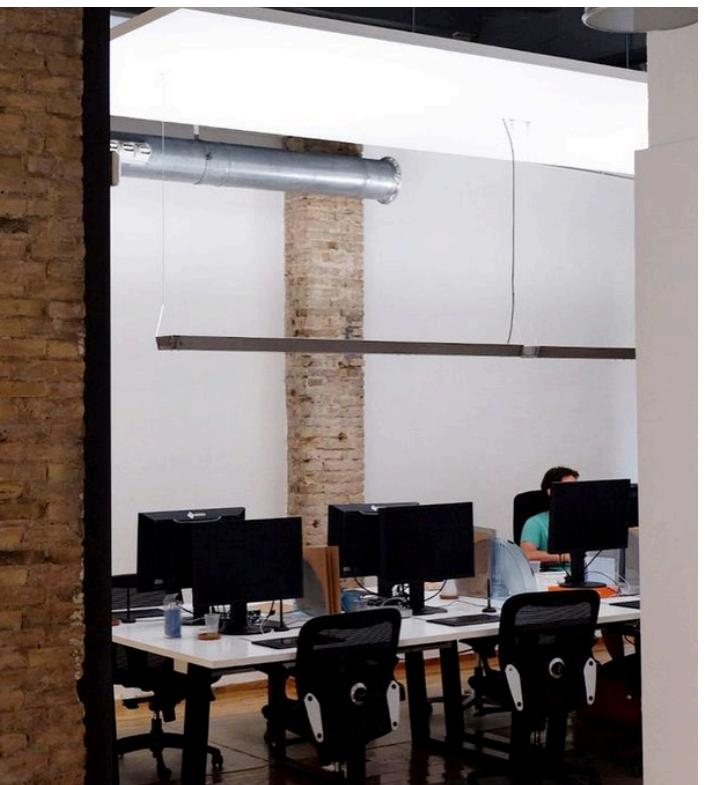


Lebrel Furniture

After my graduation, I started working in Valencia at Fernando Abellana's workshop, better known as Lebrel Furniture.

During my stay, we would take care of all design processes, from the first drafts until the manufacturing, caring for every detail and learning from the beginning until the end of the object. We made all kinds of furniture, from minimalist tables to geometrical metal stairs, the whole furniture system of a clothing store, designing and manufacturing lamps or even a custom kitchen system. The primary materials of all pieces were metal and wood, playing and mixing them: searching function and the easiest ways of assembling.

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Mesita_01 and Lab_01

Mesita_01 is a bedside/coffee table made from steel and a big piece of blue glass and white marble stone terrazzo. Lab_01 is a multipurpose shelfe made of steel and bolted joints.

Mesita_01 was made as a self-learning exercise. All the structure was designed with the intention of having a unique, solid piece of forever-lasting furniture. Las_01, on the other hand, was made as a commission for a friend's workshop. They needed a shelving system to store their chemical products, specifically powders and mix for ceramic glazes and patinas. This time, I created a simple, solid system with plenty of space. It is easy to clean, capable of storing heavy objects, and visually blends in with the overall workshop environment.



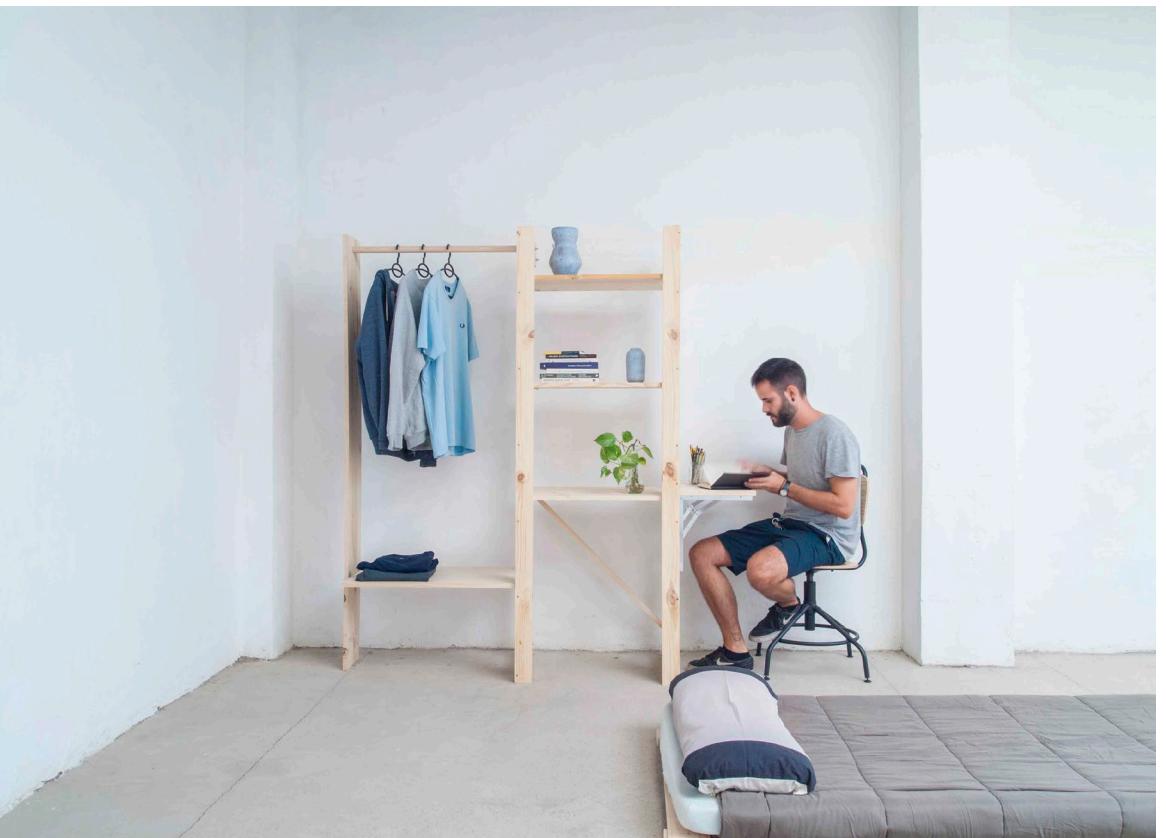
2017 Social design
Open desing Prototype
Nomadic Furniture
SolidWorks Wood

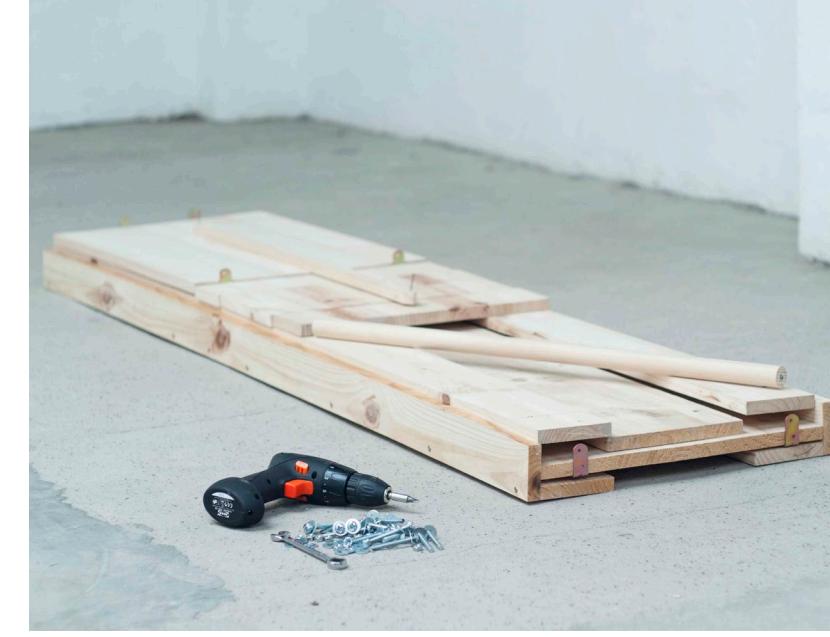
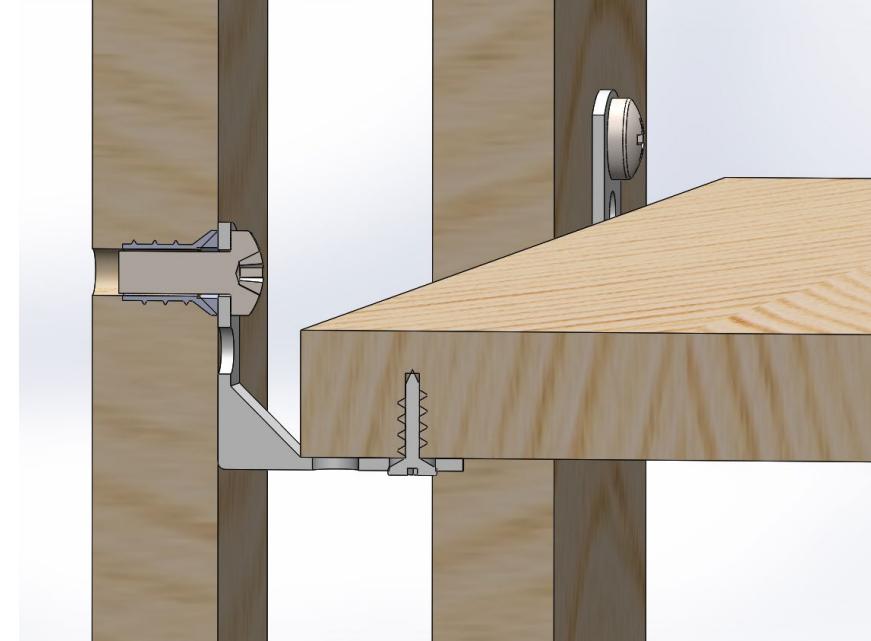
Nómada

Nómada is a set of furniture that I did for my final degree project. It is an object made for work, rest, and storage. I aimed to create functional furniture that would be easy to assemble, disassemble, and transport. I also wanted it to be economical, practical, and charged with symbolism. The project is designed under the open design philosophy; each piece of furniture has its independent instructions, downloadable on the website cristiansanchezz.github.io/nomada-opendesign/, making them accessible to all.

It is a socially conscious and responsible project, focusing on material dispossession as preached by Victor Papanek. I based my methodology on relevant information about other similar projects and tests with prototypes. Calculations of elements such as the screws and structure strength were performed partly through digital study with the SolidWorks 3D model. The sum of the research resulted in a life-size final prototype.

Through the design process, I considered the Design for Disassembly (DFD), eco-design strategies like the Environmentally Responsible Product Assessment Matrix, the EcoDesign Check-list, Life-Cycle Assessment (LCA), and other systems to design an environmentally friendly and sustainable product.





The screenshot shows a PDF manual for a modular shelving unit titled "Nómada.1". The main title is displayed prominently at the top left. A warning icon (exclamation mark) and a tool icon bar (wrench, gear, screwdriver, hands, goggles, drill) are located above the assembly instructions. The manual is divided into two main sections, each with a large number (4 and 5) indicating the sequence of assembly steps. Each section contains a detailed diagram of the shelving unit frame with callouts pointing to specific parts labeled with references (e.g., Ref. 15, Ref. 2.2, Ref. 2.6). Below each diagram is a parts list and a tool requirement box. The parts list includes:

Part Reference	Description	Quantity
Ref. 2.6	1800x100x18mm	x1ud
Ref. 2.2	1800x70x18mm	x1ud
Ref. 15	4x30	x6uds
Ref. 12	DIN7985 400x100x18mm M6x50	x4uds
Ref. 2.10	400x100x18mm	x1ud
Ref. 2.3	1800x100x18mm	x1ud
Ref. 13	M6	x16uds
Ref. 14	M6	x4uds

The tool requirement boxes include icons for a screwdriver, wrench, and tape measure.

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Ref. 3

Ref. 1.4

Ref. 1.4 (1000x100x25mm x4uds)

Ref. 3 (100x25mm x4uds)

Ref. 4 (100x25mm x4uds)

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Thank You!

✉ sanchez.cristian@me.com

🌐 <https://cristiansanchezz.github.io/nomada-opendesign>

