

Patricia Montalvo Hernandez

Industrial Design Engineer, currently pursuing a master's degree in Innovation Management and Entrepreneurship

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Education

Brown University, Providence, RI, US

June 2023 - Present (Expected graduation: May 2024)

M.Sc. PRIME – Innovation Management and Entrepreneurship **GPA: 4.00/4.00**

- Relevant Coursework: Business Engineering Fundamentals I & II, Engineering Management & Decision Making, Technology Entrepreneurship, and Commercialization I & II, User Interfaces & User Experience.
- Cross-registration: Harvard University: Innovation in Science and Engineering, Faculty of Arts and Sciences, Fall 2023.

Elisava, Barcelona School of Design and Engineering, Barcelona, Spain

September 2017- July 2021

B.Eng. Industrial Design Engineering, Major in Product Development **GPA: 8.47/10.00**

- Coursework: Industrial processes, Computer aided design, Advanced materials, Product simulation, Technological integration.
- Honors: Academic scholarship, granted to less than 2.5% of students. Ranked within the top 10 of the 2021 graduating class.
- Awards: Finalist, 2021 Student Service Design Challenge by Phillips Experience Design. Senior Thesis award by EDAG Engineering Group.

Royal Melbourne Institute of Technology, Melbourne, Australia

February 2020 - June 2020

Exchange program, Industrial Design Engineering

- Relevant Coursework: Advanced CAID, Advanced Industrial Design Visualization, Electric and Interactive Prototyping.

Professional experience

Flux Marine, Bristol, Rhode Island

January 2024 - Present

Design intern

- Working with the design and engineering teams through every stage of the product development, to create market ready products and interfaces. Responsibilities include market research, concept ideation, prototyping, user testing and product development.

Santa & Cole, Barcelona, Spain

September 2021 - June 2023

Customs project developer, R&D Department

- Developed and executed **60+** lighting and furniture adaptation projects according to customers' requirements, surpassing the 2022 revenue goals by **20%** within the customs department.
- Analyzed consumer feedback to identify and integrate product improvements, augmenting the market relevance and appeal.
- Managed projects including analyzing requests, budgeting, and developing the final product iterations. Oversaw manufacturing and collaborated with cross-functional teams in sales, manufacturing, and quality control.

ADDA Lab, Advanced Digital Design and Architecture, Barcelona, Spain

January 2021 - April 2021

Industrial design intern

- Targeted new clients through advanced digital tools, including parametric design, algorithm-aided design, and advanced manufacturing processes; resulting in the securing of **2 high-value projects** within the first two quarters of 2021.
- Conducted a research and ideation project of parametric furniture, focusing on design practically and market viability. The project led to an **award-winning digital platform**: Forma, recognized in the "La Ciutat Proactiva 2021".

Propelland, Madrid, Spain

June 2020 - July 2020

Summer design intern

- Worked with multidisciplinary teams to redefine business strategies, enhance user experience, and improve customer engagement practices. Conducted comprehensive research to inform project decisions and crafted client presentations.

Skills

- Design: Design thinking, strategic design, user research, market analysis, ideation, prototyping, UX/UI, product development.
- Project Management: Cross-functional collaboration, communication, budget management, agile methodologies.
- Technical Software: Adobe CS (Proficiency in InDesign, Illustrator & Photoshop), Figma, Miro, 3D/2D CAD (including Creo, SolidWorks, Rhino, Grasshopper and AutoCAD), C++, Java, Mathcad, MS Office (Word, Excel, PowerPoint, Project), Keyshot.
- Other languages: Spanish (Native)

Other experience

- Artistic Endeavors: Exhibited and sold over 10 paintings at London galleries such as the Mall Galleries, Gallery 27 and others.
- Tutored 8+ students in mathematics, physics, and technical drawing for two years, improving their academic performance.
- Volunteering: Facilitated weekly social inclusion activities as a volunteer at the Pueblos Unidos center in Madrid. Contributed to a typhoon recovery program in the Philippines organized by the Fundacion Santiago.