Guillermo Cabrera Espín



Industrial Design and Product Development Engineer

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Professional summary

Industrial design and product development engineer with hands-on experience in mould manufacturing, CNC machining and technical documentation. I combine CAD/CAM, OpenFOAM simulation and calculation automation. Seeking a role in product design, technical office, process engineering or R&D.

Work experience

Engineering intern - Ceese

July 2026 – present

- Technical documentation for an electrical equipment company.
- Analysis of engineering problems and proposal of solutions.
- Calculation automation with Excel.

Workshop operative - Talleres Aguayo

June 2025 – June 2026

- Mould design and manufacture.
- Operation of CNC machines of up to four axes, EDM and laser marking.
- Workshop machinery maintenance.

Promoter - Cruz Roja

May 2025 – June 2025

- Direct communication with the public.

Education

Industrial Design and Product Development Engineering - University of Málaga

Product design, materials, computer-aided design and project development.

Prompt Engineering & Programming With OpenAI - Columbia University

In progress, 2026–2027. Completion expected in early 2027.

Technical skills

CAD: SolidWorks, AutoCAD, ZWCAD, SolidDraw, 3ds Max, ArtiosCAD

CAM and manufacturing: Visi, SolidWorks CAM, ZW3D, Autodesk Moldflow, CNC machining, EDM, laser marking, mould design

Simulation and analysis: OpenFOAM, CES EduPack, Excel, calculation automation, AI-assisted development

Methods: QFD, competitor analysis, IHOBE ecodesign, economic study, prototyping, assembly and exploded drawings

Design and visualisation: Blender, CorelDRAW, Affinity, Photoshop, Illustrator

Selected projects

RIM Studio: Desktop application to prepare reaction injection moulding simulations with OpenFOAM, developed with AI assistance. Preliminary tool in development.

Walkman Toaster: Product fully modelled in AutoCAD and 3ds Max, with QFD analysis, ergonomics and materials study and economic study. Team project.

Modular organisation system: Wooden modules with toothed joints: competitor analysis, user survey and full development. Team project.

Casa Mira tub: Cardboard packaging designed in ArtiosCAD and validated with physical closure and stacking prototypes. Team project.

Languages

Spanish: native | English: B2 (Cambridge) | French: B1 (Alliance Française)