Gerard **Serrano Díaz**

Industrial Engineer

gerardsd19@gmail.com | Barcelona, Spain

SKILLS

Technologies / Tools: SolidWorks, AutoCAD, Python, Jira, 3DEXPERIENCE (PLM), LLMs, AI agents

Methodologies: Agile (Scrum)

Core skills: R&D, mechanical design, product lifecycle management, technical documentation, automation and data analysis, coordination of multidisciplinary teams, industrial processes

EXPERIENCE

Vanderlande
December 2025 – July 2026

R&D Engineer

- Mechanical design in SolidWorks of components and assemblies for automated logistics systems.
- Development of two internal Python tools for Jira data analysis: team capacity planning (Excel and web dashboard) and PI portfolio tracking (SAFe).
- Product lifecycle management in 3DEXPERIENCE (PLM): revision control and change traceability.
- Technical product documentation: specifications, drawings and engineering reports.
- Collaboration in multidisciplinary, international Agile teams, with task tracking in Jira.

Luis Capdevila S.A.
June 2024 – November 2025

R&D Technical Engineer

- Execution of R&D projects to optimise industrial processes and improve operational efficiency.
- Design and development of new products in CAD, from requirements to prototype validation.
- Implementation of improvements to cut costs and lead times, with savings of up to 50% in key processes.
- Application of continuous improvement methodologies across the product development cycle.

EDUCATION

National Taiwan University of Science and Technology
September 2026 – January 2027

NTUST · Erasmus exchange · Master's thesis · Taipei, Taiwan

Universitat Politècnica de Catalunya (UPC) – ETSEIB
February 2025 – January 2027

Master's Degree in Industrial Engineering, specialisation in Industrial Organisation

- Highest distinction in Electrical Technology and Thermal Machines.

Universitat Politècnica de Catalunya (UPC) – ETSEIB
September 2019 – January 2025

Bachelor's Degree in Industrial Technology Engineering

LANGUAGES

Spanish: native · Catalan: native · English: B2 (CEFR)