

# A WORLD OF JOB OPPORTUNITIES.



**Introduction for position  
ID**

Mechanical Engineer  
11891

# CURRICULUM VITAE

---

**Place of Residence** Spain

---

## Profile

He is an industrial and mechanical engineer with experience in R&D, particularly in the design and calculation of mechanical systems, finite element simulation, and project management.

He specializes in motion motor servo control development for HP and is directly responsible for delivering final solutions collaborating in multidisciplinary teams.

He is very experienced in analysis: ANSYS and Python for overall performance and MATLAB for servo analysis.

His motivation to switch to another company is to get involved in an interesting project and to work in a more organized company than HP. He is very interested in the product of a past company he worked, and thinks it could be the challenge that would make him relocate without having any second thoughts.

## Skills & Competences

- Management skills;
- Proven collaborator and team player;
- Advanced communication skills;
- Honest and direct personality.

## Application Software

- Excellent command of the following software: CATIA V5, SolidWorks, MATLAB, Creo Direct Modeling, Creo Model Manager, ANSYS, Python;

- Good command of the following programming language: Minitab, ABAQUS, NX5, Fluent, Autocad, 3D Via, Instron Bluehill 3.

## Education

**Feb 2013 - Jul 2013**

**Master's degree in Industrial Engineering,**

Instituto Tecnológico de Buenos Aires (ITBA);

**Sep 2007 - Jun 2012**

**Bachelor's degree in Industrial Engineering,**

Escuela Técnica Superior de Ingeniería Industrial de Barcelona (ETSEIB)

Universidad Politécnica de Cataluña (UPC);

## Courses

- **CATIA V5 Basic and Advanced level.**

- **Cátedra Seat - Universidad Politécnica de Cataluña**

## Work experience

**April 2015 - Present**

**R+D Mechanical Engineer - Spain**

### **Your tasks/responsibilities:**

- Develop mechanical solutions for Large Format Printer (Design, Test, Production and Management):

- Testing and validations done by partial prototyping;

- Designs improved by co-working with suppliers;

- Factory support (factory test definition, manufacturing capacity, etc.).

- Achieved an expert level in motor motion servo control solutions by defining and prototyping in collaboration between Mechanical and Firmware Teams;

- Validation and Testing done in machine with traces and telemetry;
- Teams and Project Management for Latex and DyeSub printers;
- Interaction with customers supporting installation and giving technical support during early phases of the product in the market.

**Jan 2019 - Present**

**Associate Professor (part-time) - Spain**

**Your tasks/responsibilities**

- Associate Professor of Rigid Body Mechanics, course located in the second year of Industrial Engineering Degree in the School of Industrial Engineering of Barcelona (Escola Tècnica Superior d'Enginyeria Industrial de Barcelona).

**Nov 2013 - April 2015**

**R&D Mechanical Engineer - Spain**

**Your tasks/responsibilities**

Mechanical Engineer in R+D working on the headquarters of clients.

**Feb 2014 - April 2015**

**R+D Dry Mechanics Department Large Format Printer:**

- Designer and calculator of mechanical components;
- CAE Simulation (thermal, structural, impact);
- Metrology laboratory tests;
- Management with suppliers;
- Design, construction and manufacture of prototypes and test benches.

**Nov 2013 - Jan 2014**

**Electrical Components Integration Department - Spain**

**Your tasks/responsibilities**

- Responsible for designing the layout and 2D and 3D design of the grounding, supports and other wiring for different models of wind turbines, as well as the corresponding documentation.

**Feb 2010 - Feb 2013**

**Lecture and coordinator of subjects from Industrial Engineering - Spain**

**Your tasks/responsibilities**

- Electrical Engineering (3rd): Bases of Power Electricity fundamentals;
- Mechanics (2nd): Dynamics and Kinematics of particle and rigid solid, vehicles, mechanism, etc.;
- Mechanical Fundamental (1st): Bases of physical mechanics;

**Languages**

- English – Fluent;
- Spanish – Native;
- Catalan – Native.