

## PERSONAL INFORMATION

Gorka Alonso

## JOB APPLIED FOR

Industrial engineer

## WORK EXPERIENCE

01/11/2006–Present

## Materials engineer

Fundación Azterlan, Durango (Spain)

- Project Leader. Engineering, R&D and Metallurgical Processes Department. Structural development (mechanical calculation by finite elements) and solidification processes (process simulations).
- Responsible of fatigue tests carried out in fatigue bench (design of tools, planning, performance and tuning).
- Responsible of extensimetry studies performed by means of strain gauges.
- Supervisor of Industrial Radiography as responsible in the performance of radioactive installation (security and radiologic protection).
- Researcher of solidification processes of cast iron, developing projects whose results have been published in international conferences.

01/11/2005–01/11/2006

## Materials engineer

Cie-Automotive, Berriz (Spain)

Scholarship by Fundación Novia Salcedo participating in a collaboration project between **Cie-Automotive and Maristas-Azterlan** oriented to structural development, design and functional tests of automotive parts and compounds.

The functions carried out were based on the 3D definition of different elements of assembly, performance of structural calculations by software of finite elements as well as definition of specifications of validation tests, tuning and performance of tests and analysis of results.

01/11/2001–31/12/2002

## Industrial engineer

ITP, Zamudio (Spain)

Training with a educational cooperation agreement in the **Department of Materials ITP**, working in collaboration with Rolls Royce (England) carrying out a cracking study in Inconel 718 and forging-welding joints, as well as handling of lab equipments, metallographic preparations of samples, standardization of etching procedures and performance of chemical micrographs.

## EDUCATION AND TRAINING

10/2014–Present

PhD student in the University of Transilvania in Brasov (Romania), in the materials engineering department, developing an important line of research in the field of nucleation and growth of graphite in ductile iron

07/2007

- **SEMINAR OF ACCELERATED FATIGUE TESTS.** Análisis y Simulación. Vitoria. Duration: 6 hours

06/2007

Course of **METALLURGY OF ALUMINUM.** Maristas-Azterlan. Duration: 12 hours.

05/2007

Course of **SUPERVISOR OF INDUSTRIAL RADIOGRAPHY WITH X-RAY EQUIPMENT**. Maristas-Azterlan. Duration: 40 hours.

02/2005–06/2005

Course of **GRAPHIC REPRESENTATION IN MANUFACTURING MECHANICAL-CATIA V5** subsidized by Basque Government. Fondo Formación Center (Barakaldo). Duration: 345 hours.

10/2004–12/2004

Course of **DESIGN AND MODIFICATION OF 2D AND 3D PLANS** subsidized by Inem. IFES Center (Bilbao). Duration: 189 hours

05/2004–06/2004

Course of **GERMAN COMMERCIAL MANAGEMENT** subsidized by Inem. F.P.Ibaiondo Center (Algorta). Duration: 209 hours.

03/2004–05/2004

Course of **GERMAN CUSTOMER SERVICE** subsidized by Inem. F.P.Ibaiondo Center (Algorta). Duration: 209 hours.

09/2003

Engineering of Materials by Escuela Superior de Ingenieros Bilbao (E.S.I.). Average score: 8.56

12/2002

Industrial Engineering by Escuela Superior de Ingenieros Bilbao (E.S.I.). Average score: 7.010.

PERSONAL SKILLS

Mother tongue(s) Spanish

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
German	B1	B2	A2	A2	A2
French	B2	B2	B2	B2	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

Communication skills

- Good communication skills gained through my experience as engineer.
- Excellent contact skills with customers
- Good ability to speak in public through the assistance to international congresses and the oral presentations

Organisational / managerial skills

- Leadership
- Good team-leading skills

Digital skills

SELF-ASSESSMENT

Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Independent user	Basic user	Basic user

Digital skills - Self-assessment grid

- Knowledge user level of Windows and advanced of Office (Word, Power Point, Excel, Access).
- Design programs: Catia V4, Catia V5.
- Programmer of finite elements: Ansys, Patran.
- Simulators of foundry processes: Pam Cast, Vulcan.
- Software for fatigue and durability analysis: Fatigue, n-Code