

Mikel Xabier Muñoz Basagoiti

Experience



📍 Brussels, Belgium

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Spoken Languages

- Spanish (mother tongue)
- English ●●●●●
- French ●●●●●
- Basque ●●●●○
- German ●○○○○
- Hungarian ●○○○○

Programming & Software

- CATIA, Solid Edge, AutoCAD, Abaqus, Ansys, Fusion360
- Python, SQL, Matlab, Simulink, HTML, Mathematica, Visual Studio, DICe, DPP4
- Microsoft Office, Excel, Latex

Distinctions

- IKASIKER Scholarship for Research Collaboration
- Volunteer of the European Solidarity Corps
- Representative of the European Youth Parliament
- Bizkaia Talent/Talentia Skills

Interests

- Padel player, skier, mountaineer, chess player
- Car engine reparation
- Miniaturized replica building of planes and engines

2024 - Present

Consultant Engineer

ALTEN Belgium - Brussels, Belgium

2024

R&D Engineer Intern

Constellium C-TEC Research Center - Voreppe, France

- Development of new aluminium alloys by LPBF additive manufacturing technique, like the Ahead® CP1 and HT1 alloys.
- Mechanical, microstructural and data and image analysis.

2022-2023

Research Intern

MSMP Laboratory, Aix-en-Provence, France

- Development of a biocomposite for automotive applications.
- Analysis of the influence of additive manufacturing processes.
- Mechanical characterisation, image analysis, Digital Image Correlation (DIC).

2020-2021

Research Intern

UPV/EHU - ZIBIO Group, Bilbao, Spain

- Project management of biocomposite for biomedical applications.
- Mechanical and thermochemical analysis: tensile, DSC, TGA, GPC.

2019

Chassis Division Member - Internship

Formula Student Bizkaia, Bilbao, Spain

- Design and manufacturing of a F1 monocoque.
- CAD Software: CATIA, SolidEdge, Ansys

Education

2022-2024

Programme Grande École

École Nationale Supérieure d'Arts et Métiers (ENSAM)

Double Degree with UPV/EHU

Specialisation: Aeronautics and space

2021-2024

M.Sc. in Industrial Engineering

University of the Basque Country (UPV/EHU)

Double Degree with ENSAM

Specialisation: Mechanics

2017-2021

B.Sc. in Industrial Engineering

University of the Basque Country (UPV/EHU)

Specialisation: Mechanics