Jacobo González Baldonedo

Industrial Engineer · Numerical Simulation

birth

29/7/1995

contact

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languages

Spanish (mother tongue)
Galician (mother tongue)
English (C1)
Portuguese (Basic)

programming

MATLAB
Python
Java
Fortran
C
Android

software

ANSYS
(Mechanical & Fluent)
SolidWorks
MATLAB
Nastran-Patran
Git
LaTeX

personal skills

Responsible, good time management, teamwork

interests

Programming, engineering, optimization, artificial intelligence, data science, databases, traveling

education

since 2018	**PhD student** Study of damage and remodeling models for bone tissue.	University of Vigo
2017-19	**Master's degree in Industrial Mathematics** Intensification in Numerical Simulation *FEA and CFD*	University of Vigo
2013–17	**Degree in Industrial Technologies Engineering**	University of Vigo

courses

2019	**Design, development and administration of databases** SQL	University of Vigo
2018	**Complete Guide to TensorFlow for Deep Learning with Python**	Pierian Data
2017	**A Hands-on Introduction to Engineering Simulations**	Cornell University
2017	**Introduction to FEM and CFD with ANSYS** *FEM intensification*	University of Vigo
2016	**Fundamentals of Technical Design with SolidWorks**	University of Vigo

experience

since 2016	**Department of Mechanical Engineering, UVigo** *Research in numerical simulation and optimization*	

teaching

2019	**Machine Design I** 3rd Degree in Mechanical Engineering - 24h	University of Vigo
2018	**Mechanism and machine theory** 2nd Degree in Industrial Organization Engineering - 72h	University of Vigo

research

Analysis of Damage Models for Cortical Bone
Applied sciences

Optimization of the Auxiliary-Beam System in Railway Bridge Vibration
Symmetry

Numerical Analysis of an Osseointegration Model
Mathematics