

Jacobo González Baldonedo

Industrial Engineer · Numerical Simulation

birth

29/7/1995

contact

🏠 Carretera de Vigo, B2, 3º-C
32001 Ourense, Spain

☎ (+34) 663 966 144

✉ jacobobaldonedo@gmail.com

🌐 jacoboglez.github.io

🔗 jacoboglez

🆔 0000-0002-0377-7208

languages

Spanish (mother tongue)
Galician (mother tongue)
English (fluent)
Portuguese (basic)

programming

MATLAB ██████████
Python ██████████
Java ██████████
Fortran ██████████
C ██████████
Android ██████████

software

ANSYS
(Mechanical & Fluent)
SolidWorks
MATLAB
Nastran-Patran

technologies

SQL
NumPY
Pandas
Git
Linux
L^AT_EX
Django

personal skills

Self-teaching, responsible, good
time management, teamwork,
continuous learning

myself

Besides my education and background in engineering and mathematics, specifically in numerical simulation and optimization, programming is my passion. I filled the gaps in this field by teaching myself, working on personal projects and undertaking courses. I am always willing to learn and I easily adapt to new environments and situations, therefore performing as expected even when it does not come to my field of expertise.

education

2018-20	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 <i>FEA and CFD</i>	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 <i>FEM intensification</i>	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

2019-20	Machine Design I 3 rd Degree in Mechanical Engineering	University of Vigo
2018-20	Mechanism and machine theory 2 nd Degree in Industrial Engineering	University of Vigo

research

Numerical analysis of a bone remodeling model with damage
Computer Methods in Applied Mechanics and Engineering

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