Jacobo González Baldonedo

Industrial Engineer · Numerical Simulation

birth

29/7/1995

contact

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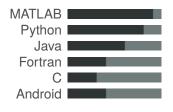
jacoboglez.github.io iacoboglez

10000-0002-0377-7208

languages

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

programming



software

ANSYS (Mechanical & Fluent) SolidWorks MATLAB Nastran-Patran

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.

2017-19 **Master's degree in Industrial Mathematics**

> Intensification in Numerical Simulation FEA and CFD

2013–17 **Degree in Industrial Technologies Engineering** University of Vigo

courses

2019 Design, development and administration of databases University of Vigo

2018 Complete Guide to TensorFlow for **Deep Learning with Python**

2017 A Hands-on Introduction to Engineering Simulations Cornell University

Introduction to FEM and CFD with ANSYS 2017

FEM intensification

2016 Fundamentals of Technical Design with SolidWorks University of Vigo

experience

since 2016 Department of Mechanical Engineering, UVigo

Research in numerical simulation and optimization

technologies teaching

SQL NumPY **Pandas** Git Linux PL-X Django

2019-20 Machine Design I

3rd Degree in Mechanical Engineering

2018-20 Mechanism and machine theory

University of Vigo

University of Vigo

University of Vigo

University of Vigo

Pierian Data

University of Vigo

2nd Degree in Industrial Engineering

research

personal skills

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