



Javier Sainz Villalba

Email: javiervsainz@gmail.com

Citizenship: Spanish

Education

Master's degree in Biomedical Engineering

University of Zaragoza, Zaragoza-Spain

2022 | Current

Engineer's degree (4 years) in Biomedical Engineering

European University of Madrid, Madrid-Spain

2018 | 2022

Certificate of Higher Education in 3D Animation and Virtual Environments

European University of Madrid, Madrid-Spain

2016 | 2018

Education certificate in Music, Double Bass specialty

Professional Music School of Majadahonda, Madrid-Spain

2002 | 2015

General Certificate of Education (Baccalaureate)

High School José Saramago, Madrid-Spain

2014

Languages

- Spanish - Native
- English - Proficient C1 TOEFL iBT (upcoming 2023)

Programming

- C# - Advanced
- Java - Proficient
- Matlab - Intermediate

Skills

- 3D design: Solidworks (certified)
- 3D modeling: Maya, Blender
- Image Analysis: Matlab
- Numerical simulation and mechanical testing: Abaqus
- Electrical circuit simulation and testing: Proetus, Multisim
- Graphic Design: Photoshop

Research Interests

- Tissue engineering and material analysis: scaffolds, organoids, tissue-implant interface
- Design of prosthesis, orthosis and implants
- Design and development of rehabilitation aids
- Development of virtual environments for rehabilitation and educational purposes