MAIDER ABAD

BIOMEDICAL ENGINEER

CONTACT

P: +34 672 11 16 20
M: maider.abad97@gmail.com
L: Bilbao, Bizkaia, Spain
Date of birth: 22/09/1997
Driving License: B

PROFESSIONAL SKILLS

Active Listening and writing skills
Critical Thinking
Complex Problem Solving
Bioinformatics
Machine Learning
Software Engineering

PERSONAL SKILLS

Creative
Sociable
Assertive
Good team working skills
Good at collaborative work
Self-starter
Reliable and professional
Motivated

COMPUTER SKILLS

Good command of Microsoft Office™ tools
MatLab
R
Python
Deep learning libraries (Keras, Tensorflow, PyTorch...)
C++
Shell scripting
Git
Docker

LANGUAGES

English: Full Professional Proficiency
Spanish: Bilingual or native proficiency
Euskera: Bilingual or native proficiency
Portuguese: Elementary Proficiency

ABOUT

I am fascinated by combining disciplines to provide an integrated and complete solution. I consider myself a hard-working person with time management skills since I have always combined studies with work. I hold a cheerful, proactive, and decisive personality that easily adapts to different environments.

WORK EXPERIENCE

TEACHING ASSISTANT AT UNIVERSITAT OBERTA DE CATALUNYA
Data Science | Oct 2021 - Present
- Teaching assistant and master's thesis supervisor.

R+D SPECIALIST IN ILINE MICROSYSTEMS
Point of Care diagnostic solutions | Sep 2020 - Sep 2021
- Data processing specialist. Machine Learning, Big Data, Deep Learning, programming in R Studio and Phyton.

QUALITY ASSURANCE ENGINEER IN MICROLIQUID
Microfluidic Consumables | Sep 2019 - Jul 2020
- Quality Management System Organization (ISO 13485: 2016 Medical Devices). Incident management, process improvement, control plans and quality plans.

RESEARCHER IN GREAT ORMOND STREET HOSPITAL FOR CHILDREN AND UNIVERSITY COLLEGE OF LONDON
Research in Cardiology Department | Oct 2018 - Jul 2019
- Patient-specific computational modeling to aid cardiac surgical planning. Simulation of heart operations in children for prospective and retrospective studies.

EDUCATION AND TRAINING

PHD CANDIDATE
Universidad Oberta de Catalunya, Barcelona, Spain | Sep 2021 - Present
- Artificial Intelligence applied to medical imaging diagnosis and image processing.

MASTER IN BIOMEDICAL TECHNOLOGIES
Mondragon Unibertsitatea, Spain | 2019 - 2021
Master's thesis at Iline Microsystems where new computational methods for the analysis of coagulation tests and their implementation in prototypes were developed.

BIOMEDICAL ENGINEERING UNIVERSITY DEGREE
Mondragon Unibertsitatea, Spain | 2015 - 2019
- Biomaterials, biomedical instrumentation, biomedical imaging, medical robotics, medical signal processing, anatomical and physiological systems.

PUBLICATIONS

Calvo, M., Abad, M. and Díaz, O. (2017). Influence of induced respiratory rate on HRV values. In: XXXV Annual Congress of the Spanish Society Biomedical Engineering CASEIB. [online] pp.367-370.
Available in: http://seib.org.es/publicaciones-cientificas-caseib/

Abad, M. Casas-Roma, J. and Prados, F. (2022). Reducing the Learning Domain by Using Image Processing to Diagnose COVID-19 from X-Ray Image. In: 24th International Conference of the Catalan Association for Artificial Intelligence (CCIA 2022). [online] pp.229-238.
Available in: https://ebooks.iospress.nl/volumearticle/61249