JORGE BUSTOS

Deep Learning | Digital Signal Processing | Software Engineering

Music lover and amateur music producer (professional according to my family). I love to philosophize about AI concepts in an absurd way.

📍 The Hague, Nederland   @ bustosjsanchez@gmail.com   📞 (+34) 608787454
in jorge-bustos01   ◯ jbu5105   🐦 bustos_jor

EXPERIENCE

Deep Learning Engineer and Researcher

DAISYS

📅 February 2021 - Present   📍 Leiden, Nederland

- Being a part of the core team conducting research and development in the domains of neural speech synthesis, audio enhancement and voice conversion
- Work and implement state-of-the-art deep learning architectures e.g., Tacotron, MelGAN, WaveUNet, GAN-TTS, and prototyping proprietary models in Tensorflow and Pytorch.
- Applying advance DSP techniques to preprocessing and neural-network training steps such as cepstral analysis, filter design, Fast Fourier Transform, Hilbert Transform, etc
- Actively participating in agile software development and sprint planning (in Trello) as well as code reviews, unit testing, debugging, and refactoring on GitLab

Project Manager Inter

Aplein Ingenieros S.A.

📅 September 2016 - March 2017   📍 Madrid, Spain

- Project organization and management at the electronics department in the OilGas sector.

EDUCATION

Master's degree in Sound and Music Computing

Universitat Pompeu Fabra

📅 2019-2020   📍 Barcelona, Spain

Master's degree in Electronics

Universidad Carlos III de Madrid

📅 2019-2020   📍 Madrid, Spain

ERASMUS - Bachelors's degree in Industrial Engineering

Politecnico di Milanoo

📅 2016-2017   📍 Milano, Italy

Bachelors's degree in Industrial Engineering

Universidad Carlos III de Madrid

📅 2013-2018   📍 Madrid, Spain

SKILLS

Programming Languages (***max) [last time used]

Python (***)   Bash (**)   C C++ (**) [2019]
R (*) [2020]   Matlab (**) [2020]

Machine Learning & Data Processing

PyTorch   TensorFlow
Multiple Python libraries   SQL   Jupyter

Development

Version control: git   GitLab
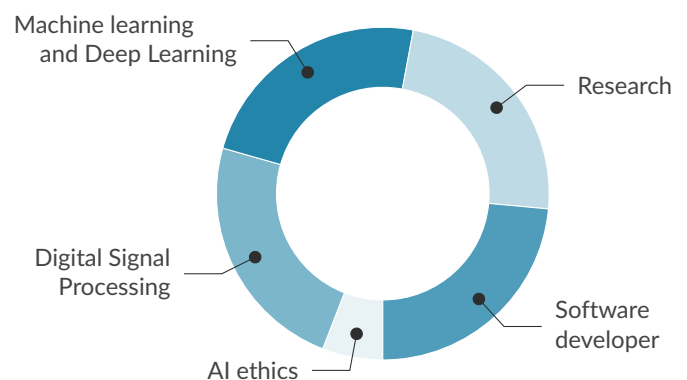Unit testing: pytest   unittest
OS: Linux (Ubuntu)   Windows
Core: Agile   Scrum   Remote development

LANGUAGES

- Spanish (Fluent)
- English (Fluent)
- Italian (Beginner)

KEY INTERESTS

Machine learning and Deep Learning · Research · Software developer · AI ethics · Digital Signal Processing

OTHER EDUCATION

Santa Cecilia Piano Conservatory 2003-2009
Ruta Quetzal expeditionary 2011
deeplearning.ai Deep Learning 2020
IBM SQL for Data Science 2020
John Hopkins University R programming 2020
deeplearning.ai Tensorflow Certificate 2020
MIT-OCW Probability Theory 2021
MIT-OCW Linear Algebra 2021