

João Peixoto

Biomedical Engineer Msc.

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📷 PROFILE

Highly interested in data handling and the application of machine/deep learning algorithms to solve complex problems. I thrive when working with like-minded peers in a social and dynamic environment. I am passionate about helping people, which has motivated my healthcare background.

I like to introduce myself as a curious person. Naturally, I have always pursued a multitude of experiences, aimed not only at developing my technical skills but also ranging from music & cinema to volunteering in educational & humanitarian NGOs. My dedication for such endeavors makes me a multidisciplinary, resilient independent learner and problem-solver.

🧰 EXPERIENCE

Perspectum Ltd.

Oct 2019 > Present



Image Scientist

As part of the Imaging Science team, I'm responsible for researching and validating new methods and algorithms and supporting their translation into medical devices aimed at helping clinicians provide better care for patients.

Cognitive Neuropsychology Centre

Sept 2018 > July 2019



Research MSc. student

My dissertation was focused on the relationship between the structural and functional brain connectome in clinical populations. I acquired expertise in data analysis, multimodal MR, and clinical practice.

Université Libre de Bruxelles

Jul 2017 > Sept 2017



BSc. student intern

Working closely with leading neuroscientists, I developed my own research in cognitive neuroscience. With this experience I deepened my knowledge of EEG signal processing via practical application.

🎓 EDUCATION

Faculty of Sciences

University of Lisbon
2014 > 2019

BSc/MSc in Biomedical Engineering and Biophysics

- Graduated with First-class Honors (16/20)
- Speciality in Clinical Engineering and Medical Instrumentation

Centre for Functional MRI of the Brain

Oxford, UK
2018 > 2019

FSL Graduate Programme

- MR physics and analysis with FMRIBs Software Library (FSL)

Colégio Moderno

Lisbon, Portugal
2008 > 2014

Sciences and Technology course (College, A level)

- Graduated with First-class Honors (17.5/20)

SOFTWARE & PROGRAMMING

Programming

- C
- Python
- R
- Bash

Software

- MATLAB
- SPM
- FSL
- Docker
- SPSS
- AFNI
- Adobe
- ITK=SNAP

Deep Learning and Cloud Computing

- Tensorflow/Keras
- PyTorch
- Experience using AWS

CONFERENCES & WORKSHOPS ATTENDED

- **Deep Learning Techniques in MATLAB**
MathWorks, Cambridge, Nov 2019
- **9th International Symposium on "Biology of Decision Making"**
University of Oxford, May 2019
- **4th UK Dementia MRI Conference**
University of Oxford, July 2019
- **3rd International Conference of the Portuguese Society for Engineering Education (CISPEE)**
University of Aveiro, June 2018

OTHER ACTIVITIES

Board of European Students of Technology



Marketing Coordinator | Lisbon Group (July 2016 > July 2017)

Educational Involvement Department Member (2017 > 2019)

President | Lisbon Group (July 2017 > July 2018)

Soft Skills Trainer (August 2018 > Present)

BEST sees multiculturalism as a value inherent to the world and learning an act of approach to excellence. In this European-wide NGO, I had the pleasure of working with teams of different nationalities and providing development opportunities for hundreds of students, in coalition with university bodies and companies.

Biomedical Engineering and Biophysics Students Association

President 2016 > 2017

Treasurer 2015 > 2016



NE2B2 is a non-profit student organization that promotes complementary activities to students' curricula, assisting their integration in the work market. Here I led multiple teams and organized several events in partnership with students, professors and institutions, including three international conferences.

Academia do Futuro

Tutor 2014 > 2016

I tutored underachieving students in order to make a breakthrough on their education, vision and future prospects.

Dark Side of the Spoon

Writer 2013 > 2017

I co-founded this cinema-dedicated website. Wrote countless articles about cinema and covered dozens of local movie festivals.

LANGUAGES

English ●●●●●

Portuguese ●●●●●

French ●●●●●