# José Pereira

Biomedical Engineer/Researcher BirdLab – University of Minho

A hard-working and self-motivated Biomedical Engineer and researcher, interested in contributing to the development of innovative medical technologies that have the potential to improve the lives of others, with experience in academic research, tutoring, public speaking, and teamwork.

✉ joselfp18@gmail.com   📱 933618440   📍 Braga, Portugal   in linkedin.com/in/jlfpereira

## EDUCATION

### MsC Biomedical Engineering - Medical Electronics (17/20)
Universidade do Minho

09/2021 – 12/2023                    Braga, Braga, Portugal

*Thesis*
- "AI-based Approaches to Study Motion Intention and Fall Detection Using a Cane-Type Robot" (18/20)

### BsC Biomedical Engineering (16/20)
Universidade do Minho

09/2018 - 09/2021                    Braga, Braga, Portugal

*Main Courses*
- Signal Processing
- Instrumentation
- Biomaterials
- Artificial Intelligence

## WORK EXPERIENCE

### Waiter
Restaurante Manjar do Mar

08/2021 - 08/2023                    Vila Verde, Braga

*Tasks*
- Part-time help at weekends and full time during the summer
- Table serving, both in the establishment and on home services, and customer service
- Responsible for shopping help

*Contact : Anacleto Pereira - 253924800*

## ORGANIZATIONS

GAEB - Gabinete de Alunos de Engenharia Biomédica (04/2021 - 04/2022)
*Director of the Pedagogical Department*

GAEB - Gabinete de Alunos de Engenharia Biomédica (10/2020 - 04/2021)
*Member of the Pedagogical Department*

Corpo Nacional de Escuteiros (09/2005 - Present)
*Member and Volunteer Helper*

Alpha Jovens Braga (01/2023 – 01/2024)
*Group Leader and Member of the Decora*

Pastoral de Jovens de S.Victor (01/2012 – Present)
*Member and Group Leader*

## SKILLS

Critical Thinking   Public Speaking   Adaptability   People Management   Teamwork

## RESEARCH FELLOWSHIPS

SmartOs - Smart, Active Lower Limb Orthotic System (POCI-01-0247-FEDER-039868)
- Hands-on development of a robotic orthothesis, biomechanical data capture and assessment and implementation of human-in-the-loop control strategies. Work developed in conjunction with BirdLab (University of Minho) and Orthos XXI.

Strategic Project - CMEMS Project 2020-2023 Financiamento Plurianual Base (UIDB_04436_BI_03/2023_CMEMS)
- Optimization and validation of a computational tool to estimate the user's metabolic cost in real-time and integration into the control architecture of an intelligent robotic system. Work developed in conjunction with BirdLab (University of Minho) and Orthos XXI.

## PUBLICATIONS

R. Cerqueira, **J. L. Pereira**, N. F. Ribeiro, C. P. Santos, "Engineering a Safer Future: Electronic Design and Validation of Cane-Type Robots for Fall Prevention", ICARSC 2023

## CERTIFICATES

Cambridge C2 Proficiency English Certificate (12/2018)
*The Cambridge Proficiency Assessment English certificate for C2 level (the highest level), with a score of 216 out of 230 (grade B).*

Signal Processing Tutoring Certificate (09/2022 - 01/2024)
*Certificate passed by GAEB for services provided in tutoring 3rd year Biomedical Engineering students in Continuous and Discrete Signal Processing during 2022 and 2023.*

## LANGUAGES

| Portuguese | English | French |
| --- | --- | --- |
| *Native* | *Professional (C2)* | *Elementary (A2)* |

## INTERESTS

Volunteering   Writing   Robotics   Science