



# Pollicini Chiara

## LANGUAGE

- ☐ Italian: native speaker
- ☐ English: **C1** (IELTS)
- ☐ German: **C1** (Goethe Institute)

## SOFTWARE

- ☐ Office
- ☐ Matlab
- ☐ Python
- ☐ Nexus (Vicon)
- ☐ R Studio
- ☐ OpenSim
- ☐ LS PrePost
- ☐ SolidWorks

## AREAS OF INTEREST

- ☐ Biomechanics
- ☐ Gait analysis
- ☐ Telemedicine
- ☐ Informatics
- ☐ Ergonomics
- ☐ Electronics
- ☐ Biocompatibility
- ☐ Prosthetics and orthosis

## SUMMARY

My research interests are biomechanics and gait analysis, particularly in their implication in rehabilitation technologies and clinical applications. I am willing to pursue a research carrer.

## EDUCATION

2020 – October 2022  
Stockholm, Sweden

**Master in MEDICAL ENGINEERING**  
*Kungliga Tekniska Hogskolan (KTH)*  
Track: Biomechanics

2017 – 2020  
Milan, Italy

**Bachelor in BIOMEDICAL ENGINEERING**  
*Politecnico di Milano*

2012 – 2017  
Varese, Italy

**SCIENTIFIC LYCEUM DIPLOMA**  
*Liceo Sacro Monte*

## PROFESSIONAL EXPERIENCES

### RESEARCH ASSISTANT

Laboratorio Analisi del Movimento e Valutazione Funzionale Protesi  
*IOR – Istituto Ortopedico Rizzoli (Italy, Bologna)*  
January 2023 – Currently

- Responsible for the 4Frailty project's execution: data collection, processing, and analysis (Nexus and Python).
- Gait and motion analysis performed via Vicon and commercialised IMUs-based device.
- Coordination of collaborations with companies involved in the project.

### “GAIT PATTERNS IN PATIENTS WITH SPINAL CORD INJURY”

Master's Degree Project supervised by Prof. Elena Gutierrez Farewik  
*MoveAbility Lab at KTH (Stockholm, Sweden)*  
January 2022 – September 2022

- Analysis of gait patterns through motion capture system and force plates.
- Data processed with Nexus (Vicon) and analysed with Matlab.
- Correlation of gait features and motor-sensory functional grades.

### RESEARCH ASSISTANT

*MovAbility Lab KTH (Sweden, Stockholm)*  
April 2021 – September 2021

- Gait analysis with IMUs – An analysis of joints' measurements reliability during gait performed by a commercialised IMUs-based device.

## CONGRESSES & PUBLICATIONS

XXII NATIONAL CONGRESS SIAMOC (Rome, Italy)  
4<sup>th</sup> – 7<sup>th</sup> October 2023.

C. Pollicini, M. Ortolani, M. Mordenti, E. Di Sipio, A. Moroni, L. Sangiorgi, A. Bonfiglio, A. Leardini (2023, 4 – 7 October), *Assessment of IMU-based measurements for routine functional evaluation of patients with rare bone diseases* [Poster presentation], XXII Congresso Nazionale SIAMOC, Rome.

*Consapevole delle sanzioni penali, nel caso di dichiarazioni non veritiere, di formazione o uso di atti falsi, richiamate dall'art. 76 del D.P.R. 445/2000, dichiaro che il curriculum vitae da me redatto ha valore di autocertificazione di quanto in esso contenuto ai sensi degli artt. 46 e 47 del D.P.R. 445/2000. Autorizzo il trattamento dei miei dati personali ai sensi del D.lgs. 196 del 30 giugno 2003 e ss.mm.ii. e del Regolamento UE 2016/679 (GDPR) ai fini della ricerca e selezione del personale.*