Andrea Varaschin

MASTER'S DEGREE IN BIOENGINEERING

I am a bioengineering doctor with a strong curiosity and passion for innovation. My goal is to support research and develop advanced technological supports for the rehabilitation of people, improving their quality of life. I consider myself sociable, motivated and collaborative.

KEY COMPETENCIES

Human movement analysis	Data processing (**Vicon Nexus**)	3D model evaluation (**Geomagic**)
3D model simulation (**Abaqus**)	Scientific articles drafting	Medical images segmentation (**Mimics**)
Proactive and self-motivated	Organizational autonomy	Adaptability

PROFESSIONAL EXPERIENCE

Nov 2023 - Present

Rizzoli Orthopedic Institute (Bologna, Italy)
Research Fellow
I have participated in research projects involving persons with motor disabilities, focusing on the study of the morphology and biomechanics of the lower limbs, with particular attention to the ankle and knee joints. I have used the main gait analysis and baropodometric tools, as well as software for the segmentation and processing of biomedical images. I participated in the acquisition and processing of large amounts of biomedical data and contributed to the production of scientific posters and articles.

Oct 2022 - Mar 2023

Rizzoli Orthopedic Institute (Bologna, Italy)
Intern Researcher
I worked on a research project for writing my master's thesis, using software for medical image segmentation and simulation of finite element models of the foot. I evaluated foot mechanics using plantar pressure maps and collaborated with the Movement Analysis Laboratory at the University of Padua.

July 2015 - Oct 2023

Agriturismo Moro Barel, Osteria Camein (Vittorio Veneto, Italy)
Waiter, Assistant Cook
I was in charge of organising and cleaning the dining room, serving tables and managing the till. During the period in the kitchen i prepared the lines according to the head chef's instructions and worked on the oven and pizza toppings.

CONTRIBUTION

2024	Varaschin et al. - Personalised High Tibial Osteotomy surgery is accurate: an assessment using 3D distance mapping. *Applied Sciences*
2024	Submission for 4th IDBN2024 Congress, Florence (Italy): 3D printing in customised high tibial osteotomy. In-Vivo Morphological Analysis.
2024	Submission for 18th International Symposium of 3DAHM, Montevideo (Uruguay): Knee osteotomy alone and combined with meniscal allograft transplantation: a clinical trial merging clinical, biological and biomechanical evaluations.

EDUCATION & CERTIFICATIONS

Master's Degree in Bioengineering - University of Padua (Italy)
Thesis: Evaluation and comparison of customized FEM models of the foot starting from medical imaging acquisitions from CONE BEAM CT and 3T MRI: application in tip toe walking .

Bachelor's Degree in Biomedical Engineering - University of Padua (Italy)
Thesis: Blood velocity estimation from confocal microendoscopy data

High school Diploma
"Flaminio" Scientific School, Vittorio Veneto (Italy)

LANGUAGES

Italian (native speaker)

English (B2 level - speaking and listening)

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.

SI ALLEGA A CORREDO DEL CV FOTOCOPIA DI UN DOCUMENTO VALIDO DI RICONOSCIMENTO.