

PERSONAL INFORMATION

Vasco Fanti



Sex | Date of birth 25/05/1995 | Nationality

WORK EXPERIENCE

November 2022 – Today

PhD Student

Istituto Italiano di Tecnologia - IIT (Via S. Quirico 19d, 16163, Genova, GE, Italy)

Experimental activities, tools development and data analysis for the projects:

- BEEYONDERS (Breakthrough European tEchnologies Yielding cOnstruction sovereignTy, Diversity & Efficiency of ResourceS), European Union's Horizon 2020 Research and Innovation Programme under GA No. 101058548

May 2021 – October 2022

Biomedical engineer

Istituto Italiano di Tecnologia - IIT (Via S. Quirico 19d, 16163, Genova, GE, Italy)

Experimental activities and data analysis for the projects:

- STREAM (Smart tools for railway work safety and performance improvement), European Union's Horizon 2020.
- EC2 (Esoscheletri Collaborativi 2), INAIL, 2020-2022

January 2020 – November 2020

Master thesis

Istituto Italiano di Tecnologia - IIT (Via S. Quirico 19d, 16163, Genova, GE, Italy)

Exoskeleton assessment and methodology development:

- Working with the exosuit platform Xosoft- Gamma

March 2017 – September 2017

Bachelor thesis

DIBRIS, UniGe, Genova, GE, Italy

Internal prostheses assessment:

- Stability assessment of orthodontic mini screws

EDUCATION AND TRAINING

October 2021

Licence to practice as Information Engineer

UniGe, Genova, GE, Italy

September 2018 – March 2021

Master's degree in "Rehabilitation engineering and biomaterials"

DIBRIS, UniGe, Genova, GE, Italy

September 2014 – February 2018

Bachelor's degree in "Biomedical Engineering"

DIBRIS, UniGe, Genova, GE, Italy

September 2009 – July 2014

Scientific high school diploma

Liceo Scientifico Statale G. D. Cassini, Genova, GE, Italy

PERSONAL SKILLS

Mother tongue	Italian				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B1	B2	C1
	CAT				
French	A2	A2	A2	A2	A2
	Scholastic level				

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

- Communication skills**
- Good communication skills with the public acquired during conferences
 - Good communication skills with young people acquired during my experiences as animator and coach
 - Good communication skills with adults acquired during my experiences as coach and waiter

Organisational / managerial skills Comfortable organising and/or managing teams

- Job-related skills**
- Managing and organising:
- Experimental set-ups
 - Work and time organisation
 - Data analysis
- Mastery in:
- Practical and manual activities
 - Public speaking activities
 - Computer and electronic devices use

- Computer skills**
- Mastery with:
- MATLAB
 - Tools of the Office suite (Word, Excel, PowerPoint, SharePoint)
 - Latex
 - Computer languages (C, C++, Arduino)
 - GitLab

ADDITIONAL INFORMATION

- Publications
 - Presentations
 - Projects
 - Conferences
 - Seminars
- Conferences:**
- "Connex" - Confindustria, MiCo, Milano, 2-3 December 2021
 - "Space festival", Villa Borzino, Busalla, GE, 2-3-4 July 2021
 - "InnoTrans", Messe Berlin, Berlin, 20-23 September 2022
 - "Italian Tach Week", OGR, Corso Castelfidardo, Torino, 29-30 September 2022
 - "ExoBerlin", Adlershof Technology Park, Berlin, 11-12 October 2022

- Publications:**
- V. Fanti, et al., "Assessment methodology for human-exoskeleton interactions: kinetic analysis based on muscle activation", 2022, *Frontiers in Neurobotics*.
 - M. Lazzaroni, V. Fanti, et al., "Improving the Efficacy of an Active Back-Support Exoskeleton for Manual Material Handling Using the Accelerometer Signal", *IEEE Robotics and Automation Letters*, pp. 1-6, 2022.
 - T. Poliero, V. Fanti, et al., "Active and Passive Back-Support Exoskeletons: a Comparison in Static and Dynamic Tasks", *IEEE Robotics and Automation Letters*, 2022.
 - M. Sposito, V. Fanti, et al, "Measuring Anthropometric Fit for Exoskeletons: Methodologies and Preliminary Assessment," *BioRob*, Seoul, Korea, Republic of, 2022, pp. 01-08