



Personal information

First name / Surname

Matteo Morando

Address

Telephone

+39

Fiscal code

Email

Nationality

Italian

Date of birth

Gender

Work experience

Dates
Occupation or position held

November 2019 – Current

Automation Engineer

Main activities and
responsibilities

Software development and commissioning of industrial automation systems for steel plants. Additional research and development activities.

Name of employer

Tenova S.p.A.

Via Enrico Albareto, 31 - 16153 Genova (Italy)

Type of business or sector

Software developer, industrial engineering

Dates
Occupation or position held

September 2016 – November 2019

Ph.D Research

Main activities and
responsibilities

Design, development and implementation of a platform for motion rehabilitation with special regard to user experience and data mining processes.

Name of employer

Università degli Studi di Genova – Facoltà di Ingegneria (DITEN)

Via all'Opera Pia, 11A - 16145 Genova (Italy)

Type of business or sector

Education, academic research activities

<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name of employer</p> <p>Type of business or sector</p>	<p>September 2013 – June 2016</p> <p>IT trainer and technician for visually impaired people</p> <p>Individual lessons and technical assistance to children and adults to get them used with accessibility tools such as screen readers (NVDA, Jaws, VoiceOver), screen magnifiers and braille displays.</p> <p>Freelancer at Istituto David Chiossone per i ciechi e gli ipovedenti Onlus Corso Armellini, 11 - 16122 Genova (Italy)</p> <p>Education, Accessibility assistance</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name of employer</p> <p>Type of business or sector</p>	<p>March 2015 – March 2016</p> <p>C++ developer under Qt environment</p> <p>Software developer for the Rehab@Home platform, with the aim to bring motion rehabilitation to the patient's home. This project has received funding from the European Union Seventh Framework Programme (FP7/2007-2013) under grant agreement n°306113. The development process focused on networking, wireless communication between bio-sensors, data storage (SQL) and data elaboration. Software were developed in C++ using Qt environment to deliver a cross-platform solution.</p> <p>CNIT Consorzio Nazionale Interuniversitario per le Telecomunicazioni Viale G.P. Usberti, 181/A - 43124 Parma (Italy)</p> <p>IT consultant, academic research activities</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name of employer</p> <p>Type of business or sector</p>	<p>October 2011 – Current</p> <p>Wordpress CMS web developer</p> <p>Support for ligurianotizie.it and other local news websites. Linux webserver maintenance and Wordpress CMS customization.</p> <p>Alkalea Edizioni Via Montallegro 17/A - 16145 Genova (Italy)</p> <p>System administrator, web development.</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name of employer</p> <p>Type of business or sector</p>	<p>July 2010 – Active (Discontinued)</p> <p>Online community founder and system administrator</p> <p>Founder of whited00r.com website (and related) with the aim to develop and distribute for free software modification and improvement for outdated Apple iOS devices, like iPhone and iPod Touch. The success of the project has been review by international online magazines like TechCrunch, Cnet, Wired and Gizmodo and exceeded the number of 10.000 unique visitors/day in the year of 2013. I took care of Linux server management, project administration and partially about software development (ObjectiveC).</p> <p>Founder of whited00r.com online community</p> <p>System administrator, mobile development.</p>

Education and training

Dates	September 2016 – November 2019
Name of organisation	Università degli Studi di Genova – DITEN
Title of qualification awarded	PhD in Sciences and Technologies for Electronic and Telecommunications Engineering (STIET)
Thesis title	Design and Development of ReMoVES Platform for Motion and Cognitive Rehabilitation.
Principal subjects / occupational skills covered	Development of a platform for motion and cognitive rehabilitation. Focus on: user-experience, serious-games design and machine learning for motion signals.
Dates	November 2012 – March 2016
Name of organisation	Università degli Studi di Genova – DITEN
Title of qualification awarded	Master's Degree in Telecommunication Engineering
Thesis title	Multimedia Signal Processing and Communication Networks Design, development and implementation of a platform for motion rehabilitation and monitoring.
Final grade	104/110 with Right to be Published
Principal subjects / occupational skills covered	Signal processing (of voice, video, data, and multimedia signals), telecommunications systems, networks and networking applications.
Dates	September 2009 – November 2012
Name of organisation	Università degli Studi di Genova – DITEN
Title of qualification awarded	Bachelor's Degree in Telecommunication Engineering
Thesis title	Scheduling algorithms of Quality of Service for LTE systems: study and performance analysis.
Final grade	99/110
Principal subjects / occupational skills covered	Analog and digital communication, information theory, computer networks, object oriented software development, assembly language, mathematics.
Dates	September 2004 – July 2009
Name of organisation	Liceo Scientifico Statale Leonardo da Vinci, Genova
Title of qualification awarded	High school diploma in science
Final grade	90/100

Personal skills and competences

Mother tongue(s)

Other language(s)

*Self-assessment
European level^(*)*

English

Certifications

Italian

English

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	C1

^(*) Common European Framework of Reference (CEF) level

First Certificate in English (FCE)

Social skills and competences

Experience in working with blind and vision impaired people, even with additional disability.

Technical skills and competences

- Accessibility tools management
 - * Apple VoiceOver on macOS and iOS
 - * NVDA screen reader on Windows
 - * Braille displays
- Engineering
 - * Signal processing
 - * Electromagnetic radiation and remote sensing
 - * Networking
 - * Analog and digital communication

Computer skills and competences

- Programming languages
 - * Working knowledge: Python, C#, PHP, Javascript, CSS, jQuery
 - * Basic knowledge: Unix Shell Scripting, Objective-C
- Development tools and technologies
 - * Working knowledge: Wordpress, Microsoft Visual Studio, Unity 3D
 - * Basic knowledge: Bootstrap, Qt Framework, Eclipse
- Networking and cyber security
- System administration under Linux systems (LAMP stack)
- Development on Linux, Apple macOS, Apple iOS and Microsoft Windows
- Microsoft Office, Apple Keynote, L^AT_EX, Adobe Photoshop.

Driving licence(s)

Italian A1 and B driving licences.

Additional information

Publications

M. Morando, E. Bacci Bonotti, G. Giannarelli, S. Olivieri, S. Dellepiane, F. Cecchi *Monitoring Home-Based Activity of Stroke Patients: A Digital Solution for Visuo-Spatial Neglect Evaluation*. International Conferenze on Neurorehabilitation (ICNR2018)

M. Morando, S. Ponte, E. Ferrara and S. Dellepiane *Definition of Motion and Biophysical Indicators for Home-Based Rehabilitation through Serious Games*. Information, 9(5), 105

M. Morando, S. Ponte, E. Ferrara and S. Dellepiane *Biophysical and Motion Features Extraction for an Effective Home-Based Rehabilitation*. Conference Paper, ICBRA 2017

S. Ponte, S. Gabrielli, J. Jonsdottir, M. Morando and S. Dellepiane *Monitoring Game-Based Motor Rehabilitation of Patients at Home for Better Plans of Care and Quality of Life* Conference Paper, EMBC 2015