

PERSONAL INFORMATION



Massimiliano Righi

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Sex: Male | Date of birth: 17/08/1991 | Nationality: Italian



WORK EXPERIENCE

19 October 2018 - Today

Research Fellow

Department of Sciences and Methods for Engineering - University of Modena and Reggio Emilia

ARScontrol (<http://www.arscontrol.unimore.it>)

Piazzale Europa 1, 42124 – Reggio Emilia (RE), Italy

- R&D with collaborative robot (universal robot)
- HMI for 4.0 industry
- Mental stress detection through innovative techniques

Research Fellow – Industrial automation

2 May 2018 – 12 September 2018

Erasmus + Traineeship

Institut für Arbeitswissenschaft (Industrial engineering and ergonomics) - RWTH univeristy Aachen – Germany

IAW (<https://iaw-aachen.de>)

Bergdriesch 27 D-52062 - Aachen, Germany

- -Human machine interaction (HMI)
- Stress recognition by means of wearable devices (heart rate variability and galvanic skin response)
- Visual perceptive effects on oculomotor functions on a worker involved in a visual task (by means of eye tracking system)

Student/Junior Engineer – Industrial automation, bioengineering

3 May 2015 – 9 October 2015

Internship

TEC Eurolab (<https://www.tec-eurolab.com>)

Via Europa 40, 41011 - Campogalliano (Modena), Italy

- Laboratory of material analysis (welding, metallography, metallurgy, failure analysis)
- Non destructive controls (MT, digital radiography, penetrant liquids, magnetoscopy, ultrasound controls with Olympus instruments)
- Prototyping of a new machine using solidworks
- Setup and PLC programming of a new machinery for Phased Array squirter system, use to check possible crack on honeycomb carbon fiber material

Junior Engineer – Nondestructive analysis, Industrial automation

Summer job 2009 – 2014

Summer job

Litokol s.p.a (<https://www.litokol.it/en/>)
Via G. Falcone, 13/1 42048 Rubiera (Reggio Emilia), Italy

- Sample customization for exhibition and private customers
- Order preparation in the PVC and Metal trim division

Worker

Education and training

12 October 2015 – 16 October 2018

Master's degree in Mechatronics Engineering

Department of Sciences and Methods for Engineering - University of Modena and Reggio Emilia (<http://www.dismi.unimore.it>)
Via Giovanni Amendola, 2 - 42122 - Reggio Emilia (RE) – Italy

Thesis: “ *Analysis of visual perceptive effects on oculomotor functions, cardiovascular functions and galvanic skin response during human-machine interaction* ”

Final mark: 110/110

1 October 2010 – 16 April 2015

Bachelor's degree in Mechanical Engineering

Department of Engineering “Enzo Ferrari”- University of Modena and Reggio Emilia (www.ingmo.unimore.it)
Via Pietro Vivarelli 10 - int. 1 - 41125 Modena (MO) – Italy

Thesis: “ *Influenza del trattamento criogenico sull'acciaio 41CrAlMo7 bonificato e nitrurato al plasma* ”

Final mark: 88/110

12 September 2005 – 20 June 2010

High school Diploma in Electronic and telecommunications

I.T.I.S Fermo Corni (<https://www.istitutocorni.gov.it>)
Largo Aldo Moro, 25, 41124, Modena (MO), Italy

Final mark: 78/100

PERSONAL SKILLS

Mother tongue Italian

Other language

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Communication skills

- Ability to study and work in multicultural team, developed over the years of study at the University (group projects) and during the international experience in Germany
- Ability to accurately give and ask for information
- Ability to easily relate with people of different opinions.

Organizational / managerial skills

- Ability to organize the activities in order to achieve my goals in the scheduled times
- Organisational tidiness as a high priority.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

- Autocad and Solidworks (Assembly and specific 3D cad for customers)
- Matlab (University assignment and M.sc Thesis)
- Programming of Microchip microcontrollers, by the means of MPLAB X IDE and XC8 compiler
- Knowledge of corporate computer networks
- Good knowledge of the office suite
- Very good knowledge of the O.S: Microsoft Windows ,Mac OSX,GNU/Linux, IOS, Android
- Excellent use of internet browsers
- ROS and robotic programming
- Good knowledge of the following programming languages: C/C++, HTML, Javascript, Python

Driving license B

ADDITIONAL INFORMATION

Certificate ▪ English B2 level

Personal details In compliance with the Italian legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document.

Righi Massimiliano