# PERSONAL INFORMATION

Cecilia De Vicariis

Date of birth: 22nd October, 1993

# EDUCATION

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|---|---|
| November 2019 – ongoing | **PhD program in Bioengineering and Robotics**<br>DIBRIS department - University of Genoa – Italy |
| September 2016 – March 2019 | **Master Degree in Bioengineering**<br>Università degli Studi di Genova |
| August 2018 – February 2019 | **Internship**<br>Marquette University – Neuromotor Control Laboratory |

Master Thesis: A 5-digit manipulandum for investigating generalization of force coordination patterns between different hand configurations

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| September 2012 – March 2016 | **Bachelor Degree Biomedical Engeneering**<br>Università degli Studi di Genova |

Bachelor Thesis: Analysis of monaural audio bisection and static pointing tasks in blind adults.

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| November – December 2015 | **Internship**<br>IIT – Istituto Italiano di Tecnologia |
| February – June 2015 | **Erasmus**<br>Universidad de Malaga, Spain<br>Attendance at the Erasmus+ Program |
| September 2007 – June 2012 | **Scientific High School Diploma** |

Liceo Scientifico Statale Luigi Lanfranconi,
Via ai Cantieri 2 16158, Genoa

## COURSES AND SCHOOLS

**Neuromatch Academy 2020** – Online school for Computational Neuroscience

**Introduction to Linear Algebra** – Online Course from Mathworks

**Solving Nonlinear Equations with MATLAB** – Online Course from Mathworks

**Introduction to Data Science in Python** – Online course from Coursera platform

## PUBLICATIONS, CONFERENCES AND PRESENTATIONS

SIAMOC 2019 – Italian Society of Movement Analysis in Clinics. Attendance to the conference and presentation of the Master Thesis project.

Learning and generalization of force coordination patterns between different hand configurations. C. De Vicariis, M.Casadio, L.A. Mrotek, M. Scalella, J. R. Scheidt, R. A. Scheidt, ICRA 2020 Workshop on Learning of Manual Skills in Humans and Robots.

Game theory and Partner Representation in Joint Action: Toward a computational theory of joint agency. C. De Vicariis, V.T. Chackochan, V. Sanguineti. Phenomenology and the Cognitive Sciences, Special Issue: The Phenomenology of Joint Action. Submitted

The sense of joint agency in sensorimotor interactive task. C. De Vicariis, V.T. Chackochan, V. Sanguineti. Neuromatch Conference 3.0. October 2020.

Artificial partners to investigate the development of optimal forms of collaboration in joint action. C. De Vicariis, G. Pusceddu, V.T. Chackochan, V. Sanguineti. Neural Control of Movement 19-21 April, 2021.

Artificial Partner to understand joint action and to make better robot therapy. C. De Vicariis, G. Pusceddu, V.T. Chackochan, V. Sanguineti. International IEEE EMBS Conference on Neural Enigeering 4-6 May, 2021.

## AWARDS

August 2019        Master Thesis award "Luigi Divieti e Marisa Maranzana" from GNB - Gruppo Nazionale di Bioingegneria.

October 2019       Master Thesis award SIAMOC – Società Italiana Analisi del Movimento in Clinica.

| May 2021 | Best Poster Award, Silver at the 10th International IEEE EMBS Conference on Neural Engineering. |

## WORK EXPERIENCE

| March 2021 – ongoing | **Teaching support, University of Genoa**<br>Motor control and human performance assessment |
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| April – September 2020 | **Teaching support, University of Genoa**<br>Motor control and human performance assessment |
| October – December 2017;<br>August – September 2014 | **Collaboration part-time, University Service**<br>Research Area Office and Front-Desk |
| 26th of October – 5th of November 2017 | **Scientific Entertainer at "Festival della Scienza"** |
| January 2014 – underway | **Tutor, Private Lessons** |
| August – September 2013, September 2012 | **Data Insert in Informatic Sistem**<br>Pigi Shipping & Consulting Srl, Piazza Dante 6/8 C, 16121 Genova |

## ADDITIONAL SKILLS

| **Native Language** | Italian |
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| **Other Languages** | English B2<br>Spanish B2 |
| **Communication Skills** | Good capability to work in team and collaborate efficiently, acquired during my studies and working experience in "Festival della Scienza".<br><br>Good capability to face stressful situations with concentration.<br><br>Good capability of adaptability, developed during the experiences abroad, dealing with different cultures and working environments. |

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| **Informatic Skills** | Good competence in Word, Excel, Power Point. |
| | Very good knowledge of Matlab and Simulink. |
| | Knowladge of programation languages C, C++, C#, SQL, Python. |
| | Knowledge of MIT App Inventor, Unity 3D. |
| | Good knowledge of the 3D CAD design software (Autodesk Fusion 360). |
| **Interests** | Traveling, theater and reading. |
| **Driving License** | B |