GIULIO CERRUTI

Robot1c$ 3ng1neer, PhD

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WORK EXPERIENCE

Lead Research Robotics Engineer
Dyson
📅 Jan 2019 – Ongoing   ⚲ Malmesbury (UK)

Design and development of SW control strategies for advanced multi-body robotics platforms

Senior Mechatronics Engineer
Italian Institute of Technology (IIT)
📅 July 2017 – Dec 2018   ⚲ Genova (IT)

Project management, team coordination, design and development of upper and lower limb exoskeletons @ Rehab technologies.

Research Robotics Engineer
SoftBank Robotics Europe
📅 January 2014 – June 2017   ⚲ Nantes (FR)

Design and development of advanced robotic platforms (i.e. robotics hand and biped)

Master Thesis Internship
Shanghai Jiao Tong University
📅 March 2013 – August 2013   ⚲ Shanghai (CHN)

Development of a real-time software framework and motion planning strategy for a quadruped robot

EDUCATION

PhD   📅 2014 – 2016
Robotics Eng.   LS2N - ECN

Design and control of an anthropomorphic and dexterous robotic hand for a humanoid robot. Project conducted in collaboration with SoftBank Robotics Europe

Supplementary Degree   📅 2008 – 2013
High education in ICT   ISICT

Master Degree   📅 2011 – 2013
Robotics Eng.   EMARO

- Double degree: Italian 110/110, French "Très bien"
- Got Erasmus Mundus Grants
- One year @ Universitá degli studi di Genova (UNIGE)
- One semester @ Ecole Centrale de Nantes (ECN)
- One semester @ Shanghai Jiao Tong University

Bachelor Degree   📅 2008 – 2011
Computer Science Eng.   UNIGE
110/110 with honours

COMMUNICATION SKILLS

Italian: Native speaker   ●●●●●
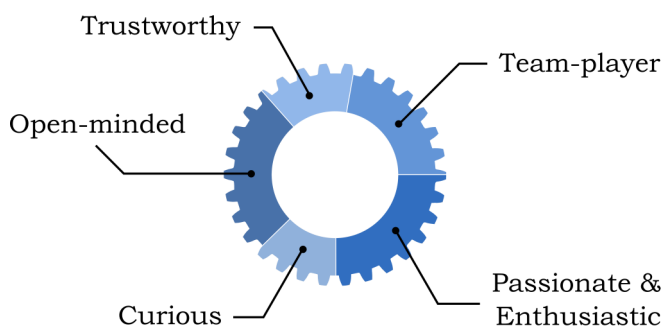**French**: BULAT C2   ●●●●◐
English: TOEFL: 101/120   ●●●●○

PATENTS & PUBLICATIONS

2016 *Main destinée à équiper un robot à caractère humanoïde*
⚲ Espacenet

2016 *ALPHA: A hybrid self-adaptable hand for a social humanoid robot*
⚲ IROS 2016

2016 *A Motion Planning Architecture for Conveyance Tasks with a Quadruped Robot*
⚲ IAS14

2015 *Design method for an anthropomorphic hand able to gesture and grasp*
⚲ ICRA 2015

STRENGTHS

Trustworthy · Team-player · Open-minded · Curious · Passionate & Enthusiastic

SOFTWARE SKILLS

Languages	C, C++, Python
Tools	MATLAB, Simulink, Git, Docker
OS	Ubuntu, Windows

OTHER

Certificates & Licences	Maritime Driving Licence, First aid on board of ships, Survival techniques, Basic and Advanced Fire Fighting, Lifeguard Licence