

Andrea Mariani

Biomedical Engineer

Education

- 2022** • **PhD in BioRobotics** cum laude
BioRobotics Institute, Scuola Superiore Sant'Anna, Pisa, Italy
- 2018** • **Master of Science in Biomedical Engineering**
Politecnico di Milano, Italy
110 cum laude
- 2018** • **Alta Scuola Politecnica**
Double degree - Politecnico di Torino and Politecnico di Milano, Italy
Diploma cum laude
- 2015** • **Bachelor of Science in Biomedical Engineering**
Politecnico di Milano, Italy
110 cum laude
- 2012** • **Scientific High School**
Liceo Scientifico e Classico E. Majora, Desio, Italy
100 cum laude

Experience

- 2021** • **Visiting Research Scientist**
EPSRC Centre for Interventional and Surgical Sciences (WEISS)
University College of London (UCL), London, UK
- 2018** • **Visiting Research Scientist**
Laboratory for Computational Sensing and Robotics (LCSR)
Johns Hopkins University (JHU), Baltimore, US
- 2018** • **Research Internship**
Neuroengineering and Medical Robotics Laboratory (Nearlab)
Politecnico di Milano, Italy

Milestones and Awards

- **Winner of the 2020 KUKA Innovation Award**
[Link to the project](#)
- **Best Pitch Awards**
GNB 2019 (Brixen, Italy) and PhD Students Plenary Meeting 2020 (Volterra, Italy)
- **More than 20 scientific publications**
[Link to my Google Scholar profile](#)
- **6 International Projects**
[FUTURA2020](#), [TerriNET Project](#), [HIFUSK](#) (Winner of KUKA Inn. Award 2020), [HIFUSK 2.0](#) (Best Innovation and Best Application Award at Hamlyn 2021), [Intuitive Surg. Research Grant](#), [ELISA Project](#), [AtCam](#)
- **Test of English for International Communication (TOEIC)**
945/990, 2015

Skills

Technical Expertise

Medical Robotics and Signal Processing
ROS – Robot Operating System
MATLAB
C++, Python programming languages
Certificate of KUKA LBR iiwa - Commissioning and Programming course
Hints of Arduino, Unity3D, CAD, EAGLE
Linux, Windows and Mac OS
Office Suite
iMovie, Adobe Photoshop, Processing

Soft Expertise

Communication and presentation
Best Pitch Awards
Presenter at several international conferences
Mentoring and management
Certificate of project management
Teaching assistant and tutor of 20 Master's students
Soccer coach and goalkeeper trainer
Creativity and love for details
Passionate about cake design and looking the world with the telephoto lens of my reflex camera

About Me

I'm a junior engineer with a robust background in medical robotics. When I was a child I desired to search dinosaurs, now I am excited about any kind of scientific research.
Until the deadline is my mantra.

Languages

 C2  C1  A1

Interests

