



# Daniele Perlo

(Curriculum Vitae - 15/09/2021)

## Education

- 11/2017- **PhD Student**, *UniTo*, Turin, Italy, PhD program without scholarship.  
10/2021 Department of Computer Science - Computer Vision and Virtual Reality research group
- 07/2020 **Pre-FIT Certification**, *University of Turin*, Turin, Italy, Mandatory educational credits (24CFU) for accessing to Secondary School teaching (DM616-2017).
- 10/2012- **Master Degree**, *University of Turin*, Turin, Italy, 110/110 summa cum laude and  
04/2015 special mention.  
Computer Science - "Virtual Reality and Multimedia" curriculum
- 09/2009 - **First level Degree**, *University of Turin*, Turin, Italy, 110/110 summa cum laude.  
10/2012 Computer Science - "Networks and Systems" curriculum

## Work experiences

- 9/2021- **Researcher for *DeepHealth* EU Project**, FONDAZIONE RICERCA MOLINETTE  
ongoing ONLUS, Turin.  
*DeepHealth* solution developer and researcher in Applied Radiology with Augmented Reality application.
- 02/2021- **Scholarship for *DeepHealth* EU Project Libraries evaluation**, UNiTo, Turin.  
8/2021 *DeepHealth* European Project Libraries validation for DeepLearning and Computer Vision (EDDL/ECVL); AI solution development in Healthcare context.
- 11/2017- **PhD Student**, COMPUTER SCIENCE DEPARTMENT - UNIVERSITY OF TURIN.  
10/2021 Studies and solutions development of AI (DeepLearning) in healthcare in the context of *DeepHealth* European Project (Horizon 2020)
- 04/2016 - **IT Architect - EMEA**, FCA ITALY as *BLUE Reply Consultant*, Turin.  
10/2017 Analyst, designer of new and existing IT Architectures for EMEA FCA business.
- 04/2015 - **ESB Integration Consultant**, BLUE REPLY S.R.L., Turin.  
04/2016 Analyst, designer and developer of Enterprise Application Integration interfaces between different systems and technologies, by using IBM and Software AG technologies.  
Customers: CNH INDUSTRIAL, FURLA, FCA ITALY
- 08/2014 - **Scholarship on STEPS2 project**, THALES ALENIA SPACE ITALIA, Turin.  
01/2015 Developing and testing physics simulation on virtual environment.

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## Publications

- 2021 **Applications of AI and HPC in Health Domain**, *Chapter 11 in HPC, Big Data, AI Convergence Toward Exascale: Challenge and Vision*, Oniga et al., CRC Press, Taylor & Francis Group.  
ISBN 9781032009841
- 2021 **Unitopatho, A Labeled Histopathological Dataset for Colorectal Polyps Classification and Adenoma Dysplasia Grading**, *IEEE International Conference on Image Processing*, Barbano et al., ICIP 2021.  
<https://doi.org/10.1109/ICIP42928.2021.9506198>
- 2021 **UNITOPATHO**, *IEEE Dataport*, Bertero et al., Public Dataset.  
<https://dx.doi.org/10.21227/9fsv-tm25>
- 2021 **UniToBrain**, *Zenodo*, Gava et al., Public Dataset.  
<https://doi.org/10.5281/zenodo.5109415>
- 2021 **Dysplasia Grading of Colorectal Polyps through Convolutional Neural Network Analysis of Whole Slide Images**, *International Conference on Medical Imaging and Computer-Aided Diagnosis*, Perlo et al., MICAD 2021.  
[https://doi.org/10.1007/978-981-16-3880-0\\_34](https://doi.org/10.1007/978-981-16-3880-0_34)
- 2019 **Post-synaptic Potential Regularization Has Potential**, *International Conference on Artificial Neural Networks*, Tartaglione et al., ICANN 2019.  
[https://doi.org/10.1007/978-3-030-30484-3\\_16](https://doi.org/10.1007/978-3-030-30484-3_16)
- 2014 **Virtual Reality Interface for Multidisciplinary Physical Analysis of Space Vehicles**, *Conference and Exhibition of the European Association of Virtual and Augmented Reality*, Soccini et al., EuroVr 2014.  
<http://dx.doi.org/10.2312/eurovr.20141330>
- 2013 **Modificatory Provisions Detection: A Hybrid NLP Approach**, *International Conference on Artificial Intelligence and Law*, Gianfelice et al., ICAIL 2013.  
<http://doi.acm.org/10.1145/2514601.2514607>

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## Major Computer skills

Languages: JAVA, PYTHON, C#, SQL  
Frameworks: PyTorch, WandB, OpenCV, TensorFlow  
Miscellaneous: Kubernetes, Docker, Git, Unity3D  
Operating Systems: Linux, Microsoft Windows

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## Languages

Italian: Mother tongue  
English: Intermediate

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## Interests

- Mountain Trekking,
- Lindy Hop,
- Strategic Board Games,
- Acoustic Guitar

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- I hereby authorise the use of my personal data in compliance with the Italian legislation regarding the protection of personal data, hence pursuant to the Decreto Legislativo June 30th 2003, n. 196 "Codice in materia di protezione dei dati personali".