

PERSONAL INFORMATION

Massimiliano Porzio

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🆔 ORCID [0000-0001-5174-0285](https://orcid.org/0000-0001-5174-0285)

Gender Male | Date of birth 25 February 1978 | Nationality Italian

POSITION **Medical Physics Expert**

WORK EXPERIENCE

September 2018 – Present

Medical Physics Expert

ASL CN1

Via C. Boggio, 12, 12100 Cuneo (CN), Italy

- Dosimetric evaluations
- Acceptance tests, Quality Assurance and Quality Controls for Digital Radiography Unit (DR, fluoroscopic systems, CT, Mammography and DBT)
- Dose optimization
- Automation of quality controls for digital mammography and digital breast tomosynthesis units

April 2011 – September 2018

Medical Physicist

ASL 1 Imperiese

Via Aurelia Ponente, 97, 18038 Sanremo (IM), Italy

- Quality Assurance and Quality Controls of Digital Radiography units
- Dosimetrist for Linac Radiotherapy Units (3DCRT and VMAT)

TEACHING EXPERIENCE

March 2020 – Present

Adjunct instructor

Univeristy of Turin, Course of 'Tecniche di Laboratorio Biomedico' (biomedical laboratory technologists) – class of: Medical Statistics

November 2019 – Present

Adjunct instructor

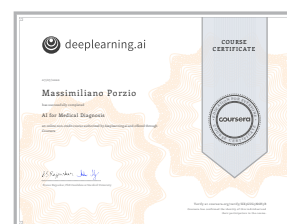
Univeristy of Turin, Course of 'Tecniche di Radiologia Medica per Immagini e Radioterapia' (medical radiation technologists) – class of: Mathematics

EDUCATION AND TRAINING

August 2020 Deeplearning.ai - Course Certificate: AI for Medical Prognosis


[View certificate](#)

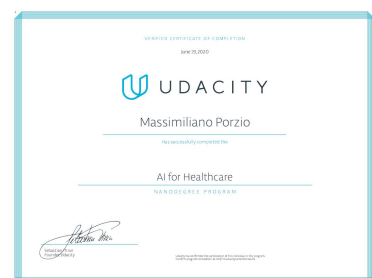
July 2020 Deeplearning.ai - Course Certificate: AI for Medical Diagnosis


[View certificate](#)

June-July 2020 TAIPEI Medical University - Verified Certificate of Achievement: ARTIFICIAL INTELLIGENCE FOR HEALTHCARE: OPPORTUNITIES AND CHALLENGES


[View certificate](#)

Maj-June 2020 UDACITY Nanodegree Program - Verified Certification of Completion: AI for Healthcare


[View certificate](#)

April 2020 NVIDIA DLI - Certification of competency: Fundamentals of deep learning for computer vision



10 October 2008 Radioprotection Experts Officer (n.22161 of Italian list)

January 2007 – March 2007 SCJP – Sun Certified Java Programmer



2002–2006 Specialization in Medical Physics - Thesis Title: “ Clinical provision and comparison between FFT Convolution and Multigrid Superposition algorithms implemented on a commercial TPS”
ISCED 5A

University of Turin, Italy – Postgraduate Course

1997–2002 Physics degree

ISCED 5A

University of Eastern Piedmont, Italy

PERSONAL SKILLS

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	C1	B2	B2	C1
French	A2	B1	A2	A2	A2

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
[Common European Framework of Reference for Languages](#)

Digital competences

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

[Digital competences - Self-assessment grid](#)

Computer skills


- Image processing with ImageJ (Java)
- Java™ programmer (Sun Certified Java Programmer)
- competent with most Microsoft Office programmes
- experience with HTML5 and CSS
- Python (Django Framework and computer vision / deep learning frameworks)
- experience with JavaScript front-end framework (Vue.JS and Nuxt.JS)
- Statistical analysis using R software
- Basic Deep Learning frameworks

Driving licence B

PUBLICATIONS

- [1] E. Zucchi, **M. Porzio**, G. Mon, and F. Coloberti. “277. A software toolset for quality control in digital mammography and DBT”. In: *Physica Medica* 56 (Dec. 2018), p. 232.
- [2] E. Zucchi, **M. Porzio**, G. Mon, and F. Coloberti. “278. Scatter correction software for grid-less acquisition in digital mammography – Statistical approach on a visual grading phantom study”. In: *Physica Medica* 56 (Dec. 2018), pp. 232–233.
- [3] **M. Porzio**, F. Coloberti, and E. Zucchi. “Iterative method for CT system: Dose reduction and quantitative analysis of image quality improvement”. In: *Physica Medica* 32 (Feb. 2016), pp. 87–88.
- [4] Walter Allasia, **Massimiliano Porzio**, and Michele Vigliante. “PrestoSpace Publication Platform: A System for Searching and Retrieving Enriched Audiovisual Material”. In: *I-MEDIA'07, I-SEMANTICS'07: International conferences on new media technology and semantic systems*. Graz: Verl. der Techn. Univ. Graz, 2007, pp. 186–188.
- [5] M Stasi, S Giordanengo, R Cirio, A Boriani, F Bourhaleb, I Cornelius, M Donetti, E Garelli, I Gomola, F Marchetto, **M. Porzio**, C J Sanz Freire, A Sardo, and C Peroni. “D-IMRT verification with a 2D pixel ionization chamber: dosimetric and clinical results in head and neck cancer”. In: *Physics in Medicine and Biology* 50.19 (Sept. 2005), pp. 4681–4694.

Cuneo, August 12, 2020



Massimiliano Porzio