PERSONAL INFORMATION

Alessandro De Carlo

📍 Via V. Alfieri, 50 - 73029 Vernole (LE)

📱 (+39) 3298263380

✉ alessandro.decarlo01@universitadipavia.it

💬 Skype : Alessandro De Carlo

🌐 Linkedin: https://www.linkedin.com/in/alessandro-de-carlo-79b304225/

Sex Male | Date of birth 27/01/1997 Nationality Italian

EDUCATION AND TRAINING

2021-today — **PhD student – Bioengineering, Bioinformatics and Health Technologies**

Università degli Studi di Pavia

Research interests:

- PK-PD modeling
- Artificial Intelligence
- Machine Learning and Deep Learning

2019 -2021 — **Student of Bioengineering M. Sc. Degree, curriculum: *Sanità Digitale***

Università degli Studi di Pavia

- Topic of the thesis: Integration of Reinforcement Learning with PK-PD models for a Drug Dosing Regimens Individualization in Polycythemia Vera Patients
- Major Professor: P. Magni
- Final Grade: 110/110 cum laude

List of principal subjects:

- Advanced Biomedical Machine Learning
- Bioinformatics
- Telemedicine
- Mathematical Models in Pharmacometrics
- Computational Learning and Decision Support in Medicine
- Artificial Intelligence in Medicine

2016 -2 019 — **Bioengineering Bachelor Degree**

Università degli Studi di Pavia

- Topic of the thesis: *Global Sensitivity Analysis on a TGI model based on DEB theory*
- Major Professor: P. Magni
- Final Grade: 109/110

2011-2016 — **High School Diploma**

Istituto di Istruzione "Salvatore Trinchese" Martano (LE)

- Scientific Diploma
- Final Grade : 100/100

2014	European Computer Driving Licence - ECDL
	AICA- Associazione italiana per l'informatica ed il calcolo automatico
2015	FCE- First Certificate of English
	University of Cambridge
2017	WinteR - Latent Variables Models with R - Course
	Residenza Universitaria Biomedica, Prof. M.Grassi – Pavia (PV), Italy
2019	Basic Life Support and Defibrillation - BLSD Course
	Residenza Universitaria Biomedica – Pavia (PV), Italy

PERSONAL SKILLS

Mother tongue(s)   Italian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2
A1	A1	A1	A1	A1

English (row 1), French (row 2)

Communication skills   Good communication skills gained through my experience as student tutor at University and oral presentations of my projects results done during my course of studies.

Technical Skills and Competences
- I am proficient with: MATLAB, JAVA, R, C, Python
- Good knowledge of: Monolix, PSN (Pearl Speaks Nonmem)
- Good knowledge of : Knime, Orange, Abaqus, TreeAge, Git, SQL, LaTex, HTML
- I am proficient with Windows and Office Package, good knowledge of Linux

Other skills   Good experience in team working acquired through my course of studies. I gained a good capacity of problem/solution analysis working on projects development. I bring passion, expertise and enthusiasm to my team and my ability to negotiate difficulties in a positive manner with a clear vision of the final goal.

Sport and hobby: I play basketball, I enjoy reading graphic novel and contemporary fiction

Driving licence   B
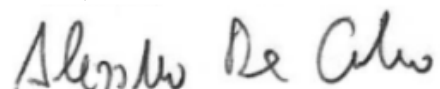
ADDITIONAL EXPERIENCES

2019 - Today   Tutor for undergraduate students of *Models for Biological Systems* Course at University of Pavia - Bioengineering Bachelor Degree Programme

2015   Seasonal worker as a waiter

"La lanterna " Restaurant - Melendugno (LE) , Italy

I hereby authorize the use of my personal data in compliance with Legislative Decree 196/03.

Pavia, 03/11/2021