



Noli Manzoni

Master's Student in Artificial Intelligence

- October 29, 1994
- Via Cantonale 12b
6942 Savosa (TI)
Switzerland
- +41 79 136 42 83
- Swiss
- <https://raikilon.github.io/>
- nolimanzoni94@gmail.com

Languages

- Italian
- English (C1/C2)
- French (B2/C1)
- German (A2)

Skills

- >_ Python
- >_ Java
- >_ C/C++
- >_ Javascript
- >_ PHP
- >_ Git
- >_ TensorFlow
- >_ Pytorch
- >_ Scikit-learn
- >_ Pandas
- >_ Numpy
- >_ OpenGL
- >_ Unity
- >_ Blender

Work Experience

- 07-08.2019 **Caritas Ticino** Lugano (TI), Switzerland
- 07-09.2018 **Database Developer**
Design, development and production of a Microsoft Access (Visual Basic) database with personalised SQL queries for automatic data analysis and integration with JAWS (computer screen reader)
- 2010 – 2014 **Municipality of Lugano** Lugano (TI), Switzerland
- Junior Full Stack Developer**
Development and management of web-based applications based on J2EE (Hibernate, PrimeFaces) integrated with continuous building tool (Jenkins, JUnit)

Education

- 2018 – 2020 **Università della Svizzera italiana (USI)** Lugano (TI), Switzerland
- Master of Science in Artificial Intelligence**
GPA: 9.63/10.0
Focus on neural network architectures (CNN, RNN and LSTM), hidden Markov model, support vector machine, meta heuristic search (simulated annealing, Tabu Search, genetic algorithm and ant-colony), data analytics and Python (TensorFlow, Numpy and Pandas) with additional courses in computer vision, software engineering (Java optimisation, high performance computing and cyber-physical systems), computational fabrication and robotics.
Thesis *Automated recognition of features in architectural 3D models, using Artificial Intelligence Methods* graded 10/10
Awarded of two merit based scholarships :
 - Fondazione Zonta Club
 - Foundation for the Lugano Faculties of USI
- 2015 – 2018 **Bern University of Applied Sciences (BFH)** Biel (BE), Switzerland
- Bachelor of Science in Computer Science**
GPA major: 6.0/6.0
Bilingual (French/German) with major in Computer Perception and Virtual Reality with a focus on image processing, analysis and compression, OpenGL, illumination, simulation and games development.
Thesis *logos recognition for webshop services* graded 18/20
Awarded additional diploma *Specialisation Management* which includes business administration, marketing, human resources, strategy management and technology and innovation management
- 2010 – 2014 **Centro professionale tecnico (CPT)** Locarno (TI), Switzerland
- Federal Diploma of Vocational Education and Training**
GPA: 5.6/6.0
Basics of software engineering (Java, PHP, Javascript), database design, support and networking.
Award of best computer science results from Fondazione Luigi Brentani
- 09.2019 TEDx Lugano Volunteer Lugano (TI), Switzerland
- 2019 Conclusion of mandatory service in Swiss Armed Forces Switzerland
- 2018 Cambridge First Certificate in English Level C1

Additional