Nolì Manzoni

Graduate in Artificial Intelligence

- October 29, 1994
- Via Santa Maria 12C
  6596 Gordola (TI)
  Switzerland
- Swiss
- https://raikilon.github.io/
- nolimanzoni94[at]gmail.com

Languages

🇮🇹	Italian	●●●●●●
🇬🇧	English (C1/C2)	●●●●●○
🇫🇷	French (B2/C1)	●●●●○○
🇩🇪	German (A2)	●●○○○○

Skills

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

Work Experience

11.2020 – . . .   **GF Machining Solutions**   Losone (TI), Switzerland
Software Engineer
Research, analysis, specification, development and test of software using .NET core for the HMI platform of wire-cut and die-sinking EDM machines under the R&D group of GF Machining Solutions

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: 9.62/10.0
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 and winner of PREMIOSWISSENGINEERINGTICINO USI Master Informatics 2021

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

Additional

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	