

Davide Spinelli

EDUCATION

NOVEMBER 2022 – CURRENT

Politecnico di Milano — *Ph.D. in Information Technology*

Multi-scale forecast-based digital platform to support efficient and resilient water management strategies under global change.

SEPTEMBER 2017 – DECEMBER 2020

Politecnico di Milano — *M.Sc. in Computer Science and Engineering*

GPA: 110 / 110

Master Thesis: “*Opponent Identification in Multi-Agent Reinforcement Learning*”. We determined the policy parameter update rule for the gradient-based algorithms of the other learning agents.


Advances in Deep Learning project: transfer learning and Super-Resolution upsampling of human faces built upon *ProGANSR* in PyTorch using the Open Image Dataset.

Data Intelligence Applications project: online learning with combinatorial bandits in CUDA.

APRIL 2019 – JULY 2019

 Erasmus at **Technische Universität Berlin** within the Alliance4Tech Mobility Program.

SEPTEMBER 2018 – DECEMBER 2018

 Erasmus at **University College London** within the Alliance4Tech Mobility Program.
Member of the Fencing Society and the Sci-Fi and Fantasy Society.

SEPTEMBER 2014 – SEPTEMBER 2017

Politecnico di Milano — *B.Sc. in Automation Engineering (Industrial Course)*

Software Engineering team project on Game Development: I got a special acknowledgment from Prof. Ghezzi, I was asked to do a job interview by the company and I had the opportunity to take the role of academic tutor in two years’ time.

NOVEMBER 2016 – NOVEMBER 2017

MyLeanMBA — *1-year Master of Business Administration*

WORKING AND VOLUNTEERING EXPERIENCES

DECEMBER 2020 – JUNE 2021 — Technology Strategy Apprenticeship

JULY 2021 – DECEMBER 2021 — Technology Strategy Associate

JANUARY 2022 – JULY 2022 — Application and Emerging Technology Associate

AUGUST 2022 – NOVEMBER 2022 — Application and Emerging Technology Senior Associate

PwC Italy – Digital Innovation, Milan — *Senior Associate*

- Optimization of a time-sensitive algorithm with constrained resources for business matching;
- development of an audit tool requiring thoughtful management of many-to-many relationships;
- development of a platform for fraud detection and coordination of a frontend subcontractor;
- integration of numerous third-party libraries for internal use and external clients.

MARCH 2018 – JUNE 2018

Politecnico di Milano — *Academic tutor, Software Engineering course*

I enjoyed working with the professor and assisting the students in developing their own projects.


MARCH 2016 – MARCH 2019

BEST - Board of European Students of Technology — *Former member*

University organization (website)

I acquired an international mindset and the ability to work both in a team and in a leading role.

 I was a delegate for BEST at the European Youth Event 2018 in Strasbourg, France.

 I was a delegate for BEST Milan at Autumn ’16 Regional Meeting in Milan, Italy.

 I was a delegate for BEST Milan at Spring ’16 Regional Meeting in Leuven, Belgium.

APRIL 2017

EBEC Italy - National Round — *Event manager*

I supervised 32 organizers and 48 participants coming from all over Italy, dealing with meals, accommodation, and schedule for the three-day event.

MAY 2015 - JUNE 2015

European Union Pavilion, EXPO Milan 2015 — *EU Ambassador*

For the reorganization of the distribution of leaflets and the welcoming of the Estonian government delegation, I was gifted a free-admission ticket by the Deputy Commissioner General.

HARD AND SOFT SKILLS

Good experience in Python, Java, C, C++, Typescript, HTML, SQL, GIT, Windows and MS Office.

Reasonable experience in PHP, CUDA, Colab, Linux and more.

A strong work ethic and a pragmatic attitude have consistently made me achieve my goals.

Being a straightforward person let me have good communication and relationships with my colleagues.


My innate curiosity and flexibility, as well as my chosen academic path, helped me develop a T-shaped profile.

LANGUAGES

 Italian – Native

 English – Professional proficiency

IELTS: 7.5 -> C1 (2017)

 Spanish – Elementary proficiency

PUBLICATIONS

PUBLISHED ON 09/06/2022

Ethics of Self-driving Cars: A

Naturalistic Approach

Article co-authored by Dr. Arfini and Prof. Chiffi. Published on the journal *Minds and Machines*.

AWARDS

2010, 2013, 2014, 2015, 2016

Championnat International de Jeux

Mathématiques et Logiques

Four times 1st, once 2nd at district rounds; Best of 23rd / 450 at national rounds.

NOVEMBER 2017

Reply - Student Tech Clash

Finalist, 2nd place and presentation at “Salone dei Pagamenti” in Milan.

MAY 2018

BEST Milan

“Fundraiser of the month” for having gathered €1,000 in goods from companies.

INTERESTS AND ACTIVITIES

– Advancements in General AI

– Travel, meet new people and discover new cultures

– Play board games and tabletop role-playing games

– Member of the Italian Fencing Federation (FIS), the Italian Alpine Club (CAI) and former member of the Italian Winter Sports Federation (FISI)