

## Education

### University of Fribourg, eXascale Infolab

*Fribourg, Switzerland*

PH.D. IN COMPUTER SCIENCE

*Sep. 2025 – Present*

- Doctoral research on **Extreme Multi-Label Classification (XMLC)** and **taxonomy-aware learning**, supervised by Prof. Philippe Cudré-Mauroux and Julien Audiffren.
- Collaborative project with armasuisse (Swiss Federal Defense Research).

### Politecnico di Milano

*Milan, Italy*

MSC IN COMPUTER SCIENCE AND ENGINEERING - ARTIFICIAL INTELLIGENCE

*September 2022 - July 2025*

- AI - Study Plan involving Machine Learning, Deep Learning, Computer Vision, Game Theory and Algorithmic Game Theory, NoSQL and Streaming Data systems

### Technical University of Munich

*Munich, Germany*

ERASMUS SEMESTER

*April. 2024 - August. 2024*

- Courses followed: Machine Learning for 3D Geometry, Parallel Programming, Natural Language Processing Seminar course, Security Engineering

### Università degli studi di Siena

*Siena, Italy*

BSC IN COMPUTER SCIENCE AND ENGINEERING

*September. 2019 - October. 2022*

- Final grade: 110 with honors
- Named best graduate of the 2021-2022 academic year.

## Projects

### MSc thesis: Multimodal Deep Learning for Cancer Grading

[Github Repo](#)

PYTORCH, NUMPY, DEEPLARNING, PANDAS

- Ongoing **research project** @NECSTlab Politecnico di Milano for my MSc Thesis on multimodal learning over histopathology WSI and CT imaging data for cancer grading.

### Deep Learning course's competition - Team project

[Github Repo](#)

PYTHON, TENSORFLOW, KERAS, PANDAS, NUMPY

- Secured **2nd place** in a Deep Learning competition (Artificial Neural Networks course) for binary image classification of vertical farm leaves. Achieved **90% accuracy** among 500 participants. Recognized in a [LinkedIn post](#) by Polimi AIRLab.

### Shape Generation & Completion Through Point-Voxel Diffusion (Modified)

[Github Repo](#)

PYTHON, PYTORCH

- Course project for "Machine Learning for 3D Geometry" at TUM, modifying the original paper to: (1) enable shape completion from RGB images, (2) incorporate text-conditional generation, and (3) allow text-driven part editing. .

## Extracurricular

### Leonardo/NECSTCamp student

*Milan, Italy*

NECSTLAB

*Sep. 2023 - Now*

Multidisciplinary program powered by NECSTLab @ DEIB Politecnico di Milano, involving a research project for my Master's Thesis in multimodal Deep Learning for biomedical imaging and horizontal courses for soft skills (public speaking, creativity, stress-management, entrepreneurship, employability)

### Hackathons

*St.Gallen, Switzerland - Munich, Germany*

STARHACK AND HACKATUM

*March 2024 - November 2024*

Secured **third place** at HackaTUM with a project about automatic scraping, aggregation, selection and generation of news articles. [Devpost article](#)

### AI4Sustainability Summer School

*Milan, Italy*

SUMMERSCHOOL ORGANIZED BY EIT DIGITAL IN COLLABORATION WITH HUAWEI

*Sep. 2024*

## Skills and Languages

**Languages** English: B2 Cambridge English First Certificate, Italian: Native

**Skills** PyTorch, TensorFlow, Python, C, C++, Java, Machine Learning, Deep Learning, Data Mining

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