

# ALICE SCHIAVONE

[linkedin.com/alice-schiavone](https://www.linkedin.com/in/alice-schiavone)

Machine learning researcher and engineer. M.Sc. graduate in Computer Science, currently employed as a Assistant Researcher at University of Copenhagen. I have experience in machine learning and data processing, particularly in medical imaging and natural language processing.

---

## Skills

Have a look at my portfolio [aliswh.github.io](https://aliswh.github.io) to check some of the projects I worked on.

### Soft skills

Cross-functional team communication, individual project management, attentive listening, curiosity, flexibility

### Technologies

Python, Linux, PyTorch, TensorFlow, Keras, Git, Docker, PySpark, R, SQL, Latex, Java, Kotlin, AWS, CUDA

### Data elaboration technologies

Excel, Powerpoint, PowerBI, Tableau, Adobe Suite (Photoshop, Illustrator, InDesign), BIDS

## Experience

### Research Assistant, Natural Language Processing - University of Copenhagen

Feb. 2024 - present

- Researching machine learning and natural language processing (NLP) methods for the classification of free text chest X-ray radiology reports from Danish hospitals.
- During this time, I learned how to collaborate across different institutions and teams, and how to present my work and results at conferences.

### Medical Imaging and AI Researcher, Intern - Cerebriu

Dec. 2022 - Feb. 2024

- Cerebriu is a rapidly growing start-up that employs machine learning in clinics and research facilities. I was working with medical professionals on automating brain MRI workflows, segmenting brain pathologies and producing statistical analyses.
- I worked on confidential research projects to improve the company's product and generate research publications. My responsibilities included the collection and processing of data into standardized formats.

### Graphic Designer - Freelance

2015 - 2022

- I was able to fund my studies by freelancing as a graphic designer for small companies. Throughout high school and university, I designed logos, flyers and posters using industry-standard design software .
- I put in use my design skills in the work that I do as a computer scientist, especially when working on reporting results with plots and tables.

## Publications

- [1] Alice Schiavone and Mostafa Mehdipour Ghazi. "Robust Identification of White Matter Hyperintensities in Uncontrolled Settings Using Deep Learning". In: *Medical Imaging with Deep Learning, short paper track*. 2023. URL: <https://openreview.net/forum?id=c0KnufAuX6k>.
- [2] Alice Schiavone et al. "Effective Machine Learning Techniques for Non-English Radiology Report Classification: A Danish Case Study". In: *AI* 6.2 (2025). ISSN: 2673-2688. DOI: 10.3390/ai6020037. URL: <https://www.mdpi.com/2673-2688/6/2/37>.

## Certifications

**NVIDIA Certification** - Building and Deploying Large Neural Networks.

Sept 2024

- I earned certification from the NVIDIA Deep Learning Institute after successfully completing the course "Model Parallelism: Building and Deploying Large Neural Networks."
- The course taught me how to train neural networks across multiple servers and how to deploy very large multi-GPU models to production.

## Education

**M.Sc. Thesis Abroad** - University of Copenhagen, Cerebriu

Nov. 2022 - June 2023

- Title: *Robust Identification of White Matter Hyperintensities in Uncontrolled Settings Using Deep Learning*
- Submitted and successfully accepted for a poster presentation at the 2023 Medical Imaging with Deep Learning (MIDL) conference, which took place in Nashville (USA).

**M.Sc. Computer Science** - University of Milan

Sept. 2021 - Oct. 2023

- Graduated with top scores (110/110) and with honors.
- Curricula specialized in machine learning, data analysis, and distributed computing. Graduated with top scores and cum laude.

**M.Sc. Data Science** - University of Milano-Bicocca

Sept. 2020 - Jan. 2021

- Completed a semester in a Data Science M.Sc. before starting an M.Sc. in Computer Science.
- Courses in Statistical Analysis, Data Visualization and Data Management.

**B.Sc. Computer Science** - University of Insubria

Sept. 2017 - Oct. 2020

- Thesis: Computation of Covid-19  $R_0(t)$  in Italy.
- Developed scripts for the computation of  $R_0(t)$ , an index for contagiousness and transmissibility of infectious pathogens, at the peak of Covid-19 diffusion in Italy. Another student developed a website for the distribution of the computed data, which was later featured in a few local newspapers.