

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 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 $R0(t)$ in Italy.
- Developed scripts for the computation of $R0(t)$, 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.