

Francesco Dal Canton

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github.com/frank

Artificial Intelligence MSc degree graduate with experience with working with Deep Learning, Computer Vision, and Time Series Analysis in the medical domain. Currently seeking a new professional challenge in the field of Deep Learning for medical imaging.

Education

- 2018–2021 **MSc in Artificial Intelligence, graduated Cum Laude**, *University of Amsterdam*, Amsterdam (NL), Grade average: 8.2/10.
- 2015–2018 **BSc in Artificial Intelligence with Honours in Philosophy**, *University of Groningen*, Groningen (NL), Grade average: 8/10.
- 2010–2015 **Diploma di Maturità Classica**, *Liceo Classico "G. Marconi"*, Conegliano (IT), Grade: 83/100.

Master Thesis

- title *Multiple-Instance Learning for Assessing Prognosis of Ductal Carcinoma In Situ*
- supervisors Efstratios Gavves, Jonas Teuwen
- description Used histopathology slides collected from patients affected by Ductal Carcinoma In Situ (DCIS), and developed a Multiple-Instance Learning-based model for predicting 10-year recurrence of ipsilateral Invasive Breast Cancer (iIBC).
- publication An abstract on this work was accepted for an oral presentation at the European Congress of Pathology of 2021.

Bachelor Thesis

- title *Early Detection of Sepsis Induced Deterioration Using Machine Learning*
- supervisors Marco Wiering, Vincent M. Quinten
- description Performed time series analysis on ECG, blood oxygenation level, and respiratory rate signals gathered from patients in their first 48 hours in the hospital. Developed machine learning models to predict organ failure or death caused by Sepsis, an excessive reaction to infection.
- publication The resulting paper was published in the proceedings of the BENE-LEARN2018 conference (https://link.springer.com/chapter/10.1007/978-3-030-31978-6_1)

Experience

- May 2021 **Artificial Intelligence Analyst at NKI**, *The Netherlands Cancer Institute*.
- Jul 2021 Research role aimed at continuing and improving the work of my Master's thesis

- Nov 2019 **Internship at NKI**, *The Netherlands Cancer Institute*.
- Apr 2021 Research role aimed at analysing data for my Master's thesis
- Jun 2019 **Natural Language Data Mining Project**, *KPN*.
Project at KPN in collaboration with the University of Amsterdam
- Mar–Jun 2018 **Teaching Assistant for the course Neural Networks**, *University of Groningen*.
- Mar–Aug 2018 **Internship at UMCG**, *Universitair Medisch Centrum Groningen*.
Research role aimed at analysing data for my Bachelor's thesis

Computer Skills

- Operating Systems Experienced user of both Windows and Linux-based operating systems and their standard software
- Programming Languages Fluent in Python. Familiar with Java, C, Matlab, Octave. Basic knowledge of R, SQL, Prolog
- Notable Python APIs Experienced with Pandas, Scikit-learn, PyTorch, Tensorboard, OpenSlide.
- Miscellaneous Proficient with Git, Docker, Singularity, Linux shell, Latex

Languages

- | | | |
|---------|----|----------------------------|
| Italian | C2 | <i>Mothertongue</i> |
| English | C2 | <i>IELTS 8.5 (in 2014)</i> |

Personal skills

- Individual Organised, detail oriented, proficient at analytical thinking and problem solving
- Team Skills Diplomatic, strong at team building, communication, and at forming rapport
- Public Speaking Strong presentation skills

Extras

- Driving License Italian A1 and B