# Francesco Dal Canton

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## 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**   The study involves using histopathology slides collected from patients affected by Ductal Carcinoma In Situ (DCIS). The goal is to obtain a model for prediction of future development of Invasive Breast Cancer (IBC).

## Bachelor Thesis

**title**   *Early Detection of Sepsis Induced Deterioration Using Machine Learning*

**supervisors**   Marco Wiering, Vincent M. Quinten

**description**   The study involves performing time series analysis on ECG, blood oxygenation level, and respiratory rate signals gathered from patients in their first 48 hours in the hospital. The focus of the study is 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%2F978-3-030-31978-6_1`)

## Experience

### Vocational

**Nov 2019 –Apr 2021**   **Internship at NKI**, *The Netherlands Cancer Institute*. 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*. |
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| Mar–Aug 2018 | **Internship at UMCG**, *Universitair Medisch Centrum Groningen*. Research role aimed at analysing data for my Bachelor's thesis |

### Miscellaneous

| 2013–2014 | **Exchange year in Norway**, *AFS Intercultural Program*, Elnesvågen (NO). Attended a local school, took part in all curricular classes, and extra Norwegian classes, while living with a local family |
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## Languages

| Italian | C2 | *Mothertongue* |
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| English | C2 | *IELTS 8.5 (in 2014)* |
| Norwegian | A1 | *Not certified* |

## Computer Skills

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

## Personal skills

| Individual | Organised, detail oriented, proficient at analytical thinking and problem solving |
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| Team Skills | Diplomatic, strong at team building, communication, and at forming rapport |
| Public Speaking | Strong presentation skills, experienced at presenting in front of groups |

## Extras

| Driving License | Italian A1 and B |
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