

Hello! My name is **Davide Gentile** and I am a data scientist based in Toronto.

Work

Scientific researcher @ University of Toronto (2019 - Present)

--- I am leading the experimental and analytical teams at the cognitive engineering lab on a project jointly funded by the natural science and engineering council of canada and the canadian nuclear safety commission.

--- I have published articles in peer-reviewed journals, presented studies at statistical conferences, and have trained 400+ students in statistics, design of experiments, applied machine learning, and human factors engineering.

Data science consultant @ Armilla AI (2024)

As part time consultant in the data science team, I designed risk assessment frameworks to test predictive and generative AI models across multiple dimensions (e.g., performance, bias) to ensure regulatory compliance and responsible use. Example clients include large telecom companies deploying generative ai models for automated customer assistance.

Research intern @ Ericsson (2020 - 2023)

As research intern, I led the human-subjects experimentation and evaluation of products to support Ericsson's data scientists in interpreting and comparing the results of multiple ML models (published work).

Education

Ph.D., University of Toronto, Industrial Engineering, 2019 – 2024

--- Awards: *mitacs accelerate grant, schwartz reisman institute fellowship, neil duncan thompson memorial scholarship, 1st place prize at the 2020 engineering research conference in the stream "data science and analytics"*.

M.Sc., McMaster University, Cognitive Science of Language, 2017 – 2019

--- Awards: *ontario graduate fellowship; macdata institute graduate fellowship.*

B.A., Alma Mater Studiorum - Università di Bologna, Lettere Moderne, 2014 - 2017

Why I love this job

I have a passion for improving the quality of human decisions, and love to find the signal in the noise through the combination of analytical thinking and problem-solving.

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Take a look at my website: gentiled.github.io

ME

Italian and Canadian
One team, one goal
Passion driven
United in diversity
Fail to succeed
Scientist at heart
Servant leader

SKILLS

Statistics
Machine learning
Experiments
User studies
Interface design
Metrics development
Scientific writing
Prototyping

TOOLS

R, RStudio
Quarto
Python
Github
Books
Blogs
Scientific papers

LANGUAGES

Italian
English
Latin