

Davide Gentile

Data scientist

Work

Scientific researcher @ University of Toronto (2019 - Present)

- Leading the experimental and analytical teams at the Cognitive Engineering Lab on projects funded by the Natural Science and Engineering Council of Canada and the Canadian Nuclear Safety Commission;
- Published 5+ peer-reviewed papers, presented studies at international conferences, and have trained 400+ students in statistics, design of experiments, and machine learning.

Data science consultant @ Armilla AI (2024)

- Developed risk assessment frameworks to evaluate AI models across dimensions such as bias, fairness, and performance and ensure regulatory standards;
- Collaborated with cross-functional teams to deploy robust AI solutions for automated customer assistance.

Research intern @ Ericsson (2020 - 2023)

- Led the human-subjects evaluation of machine learning software to improve model interpretation and decision-making by Ericsson's data science teams.

Researcher @ ARiEAL (2017 - 2019)

- ARiEAL is the Center for Advanced Research in Experimental and Applied Linguistics at McMaster University, where I conducted quantitative analyses for applied linguistics research.

Education

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

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

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 through the combination of data, analytical thinking and problem-solving.

Contact

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

ME

5+ years experience
in data science, research
leadership, and project
management;
Servant leader
Purpose-driven
Resilient innovator

SKILLS

Statistical modeling
Experimental design
Machine learning
Data visualization
Human subjects research
Metrics development
Prototyping

TOOLS

R, RStudio
Quarto
Python
Books
Scientific articles

LANGUAGES

Italian
English
Latin

Updated: September 2024