Pieter Jan MOTMANS

pieterjan.motmans@essec.edu

+32 4 71 40 13 10

EDUCATION

2021-2023	**ESSEC Business School & CentraleSupelec**	*Paris, France*
	Master in Data Sciences and Business Analytics (ranked 4th worldwide by QS)	

Courses in algorithms, statistics, mathematics, machine learning, advanced deep learning, big data analytics, forecasting, graphical models, reinforcement learning, ...
Current GPA: 90% (18/20)

2018 – 2021	**University of Antwerp**	*Belgium*
	Bachelor in Business Engineering in Management Information Systems	

Courses in economics, mathematical programming, econometrics, statistics, and mathematics
Ranked first in my cohort
GPA: 88%

PROFESSIONAL EXPERIENCE

2023-2023 (ongoing)	**Sia Partners**	*Paris, France*
	Corporate Research Project	

- This research project aims at creating synthetic data that is both anonymous, and still valuable for analysis. In practice, we explore different GAN architectures.

2021– 2023 (ongoing)	**Metalab Ideas: A student-led think tank associated to the ESSEC Metalab**	*Paris, France*
	Member of the core editorial team	

- Wrote an [article](#) on issues concerning citizens' data rights in the Metaverse
  In the process of writing an article about open problems in AI Safety that can be addressed by social scientists

2020 – 2021 (6 months)	**Studant: A company that brings together tutors and students**	*Belgium*
	Tutor in Mathematics	

- Tutored mathematics to students in Applied Economic Sciences
- Topics included multivariable calculus and optimization

2020 – 2020 (1 month)	**Agoria: The Belgian federation for technology companies**	*Belgium*
	Intern	

- Data analysis (in Matlab) performed on data collected through a survey (DigiScan) about the digital maturity of Belgian SME's
- Made recommendations to enhance the Digital maturity of SME's

LANGUAGES AND OTHER SKILLS

Languages	**Dutch:** mother tongue **English:** bilingual **French:** fluent
IT	Python (sklearn, Pytorch), SQL, MongoDB, C++, Matlab, R, Spark, LaTeX

Projects and awards

Projects	
	- Time series classification on Neuron Spiking sequences
	- Computer vision with Pytorch (classification and segmentation)
	- Multi-Agent Reinforcement Learning
	- Graph Neural networks for node classification and link prediction

Awards	Recipient of a grant under the CY Talents program awarded to only two ESSEC students that want to pursue a career in research.