Juan David Guerra

♥ Montreal, Canada

MILA - Quebec AI Institute & Polytechnique Montréal	Montreal, QC
• M.A.Sc Software Engineering	Sep 2024 - May 2026
• Cumulative GPA: N/A	
 • Principal Investigator: Marco Bonizzato - Polytechnique Montréal Depa • Research Area: Hierarchical Gaussian Processes and other ML technique 	
McGill University	Montreal, QC
B.Sc. First-Class Honours Computer Science with a Minor in Neuroscience	Sep 2020 - May 2024
• Cumulative GPA: 3.73 / 4.0	
• Relevant Coursework: Honours Thesis in Computer Science; Reinforcem Intelligence; Applied Machine Learning; Honours Algorithms & Data Struct	tures; Discrete Math;
• Prizes and Awards: Quebec Excellence Bursary for Computer Science (2	
Upper Canada College	Toronto, ON
International Baccalaureate Diploma & Ontario Secondary School Diploma	Sep 2015 - May 2020
 Grade-Point Average: 35 / 42 (IB) and 94% (OSSD) Prizes and Awards: Lang Scholar Prize for Athletic and Academic Achie Award for Academic Standing (2019); Cayley Waterloo Math Contest Certification 	
Other Research Experience	
Department of Computer Science	Montreal, QC
McGill University, MILA - Quebec AI Institute	June 2024 - Ongoing
$\circ~{\rm Research}$ collaborator at Professor Golnoosh Farnadi's EQUAL Lab	
$\circ~$ Conducted an empirical, in-depth analysis of Large Language Models (LLM	(Is) and their training dynamics
Department of Biomedical Engineering	Montreal, QC
McGill University, MILA - Quebec AI Institute	February 2023 - Ongoing
• Undergraduate researcher under the supervision of Professor Danilo Bzdok.	
• Using machine learning models to take brain activation (fMRI) and human	
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Technical Skills

Python; Java; MIPS; Matlab; C; Bash; Git; UNIX; OOP; Sci-Kit Learn; PyTorch; Pandas

• Concentrations

Artificial Intelligence; Machine Learning; Applications of ML; Computational Neuroscience; Data Science