



Lisbon, January 6, 2026

To Whom It May Concern,

I am pleased to write this letter of recommendation for **Luke Schumacher**, one of my most outstanding students at Lusófona University.

I have known Luke since he joined my *Introduction to Data Science* course as a master's student in the *Artificial Intelligence for Sustainable Societies* international programme. I later taught him in the *Applied Programming for Data Science* course. Currently, Luke is working under my supervision on his master's thesis, "**Architecting a Domain-Specific AI Co-Pilot using Retrieval-Augmented Generation and Agentic Frameworks for Technical Reasoning and Decision Support**", where Artificial Intelligence is the main area of focus.

Luke Schumacher completed *Introduction to Data Science* with a mark of 16 (on a scale from 0 to 20) and *Applied Programming for Data Science* with a mark of 19 (on a scale from 0 to 20), clearly placing him among the top-tier Master's students. During the master supervision, I have had the opportunity to work closely with Luke in regular discussions devoted to clarifying doubts and exploring ideas, where he consistently demonstrated a curious and engaged spirit. Luke has proven to be an outstanding student, delivering projects of a very high level.

Luke's strong interest, combined with his solid programming skills, has contributed significantly to the success of his academic path. His resilience and motivation throughout a demanding programme particularly impressed me. During his studies, Luke has also been involved in industry internships, which have certainly enriched his technical and professional skills.

Regarding character, Luke is an excellent person - caring, attentive, and reliable. He consistently supports his colleagues and demonstrates a strong willingness to learn and to develop further his abilities, including in research and problem-solving activities that require focus and dedication.

In summary, I am pleased to offer my strong support for Luke Schumacher as he advances his career in the field of Artificial Intelligence. I am confident you will find him to be a capable, dedicated, and highly valuable candidate. Luke consistently combines strong motivation with the ability to collaborate effectively with others, enabling him to achieve meaningful objectives. I wholeheartedly support him as he takes this next step in his professional journey.

Please do not hesitate to contact me should you have any further questions.

Sincerely Yours

A handwritten signature in blue ink that reads "Iolanda Raquel Fernandes Velho". The signature is written in a cursive style with a long, sweeping tail on the last letter of the last name.

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