

13 February 2026
ESTEC – European Space Research and Technology Centre
Keplerlaan 1
2201 AZ Noordwijk, The Netherlands

To whom it may concern,

I am pleased to provide this letter of recommendation for Theo Gachet, who joined the AI Competence Centre (TEC-SFA) as an intern in January 2024. During his internship, he contributed to advanced research on novel techniques for the verification and validation of machine learning algorithms, with a particular focus on methods applicable to critical systems.

Theo explored innovative uncertainty quantification approaches and proposed a new methodology using multiple strategies to assess the level of trustworthiness, based on quantitative measurements of uncertainty for an image segmentation algorithm for Mars surface characterization. His work was highly successful and opened a promising path toward improving the trustworthiness of AI components used in critical systems for space applications.

Beyond his technical achievements, what impressed us most about Theo is his ability to work independently, his eagerness to learn new technologies, and his strong problem-solving skills. He consistently delivered high quality work, adhered to deadlines, and integrated seamlessly within the team. Theo is dedicated, reliable, and a pleasure to work with.

If you would like additional information about Theo, you are welcome to contact me directly.

Sincerely,

Luis Mansilla García
AI System Engineer
AI Competence Centre (TEC-SFA)
European Space Agency (ESA)