



Alonso SILVA ALLENDE

AI Researcher

Nokia Bell Labs

Machine Learning and Systems Department

Nokia Bell Labs Paris-Saclay, 12 rue Jean Bart,
91300 Massy

e-mail: alonso.silva@nokia-bell-labs.com

URL: <https://www.nokia.com/people/alonso-silva/>

Paris, January 8, 2026

Subject: Recommendation letter for Dénes Tornyí

To Whom It May Concern,

It is with great pleasure that I write this letter in support of the application of Dénes Tornyí.

I had the privilege of supervising Dénes during his job rotation at Nokia Bell Labs from October 13 to December 19, 2025. Earlier that year, we collaborated on an information-sharing project. He consistently demonstrated exceptional skill, dedication, and excellence in his work.

Dénes excelled during his job rotation on Project Tiresias, a Go-based interpreter state machine that enforces SQL constraints during SELECT query generation. He designed and implemented the core algorithms that translate grammar rules into an optimized graph structure with token tries and caching, along with a state change mechanism for semantic enforcement. His work included integrating the engine into llama.cpp's custom logits processor, enabling large language models to generate grammatically and semantically correct SQL queries.

Throughout our collaborations, I truly appreciated him as an original thinker when facing research questions. It was a real pleasure for me to supervise and work with him. He is friendly, dedicated and genuine in both professional and non-professional life. He is also very helpful and reliable not only toward me but also to all of his peers and colleagues. For all of these reasons, I fully support his application to a position at your organization.

I am available for any further information to support Dénes if needed. Thank you very much for your time and your consideration.

Sincerely,

Alonso Silva, AI Researcher at Nokia
Bell Labs

A handwritten signature in blue ink that reads "Alonso Silva".