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To the Committee of Selection,

I am delighted to provide this letter in support of Dylan Reid-Ramelli.

During my visit at the Università della Svizzera Italiana (USI) in Switzerland, I had the pleasure of proposing and advising the Bachelor Thesis of Dylan, which focused on spectral methods to accurately rotate multidimensional signals. His thesis aimed at designing numerical schemes that better harness the microarchitectural features of contemporary computing platforms.

Spectral schemes are “feared” by students as they require a general understanding of complex analysis including complex-valued series manipulation, as well as a solid grasp on bandlimited signals, linear time-invariant systems, and sampling. Nonetheless, Dylan showed remarkable endurance and commitment in acquiring his new competences. He addressed learning roadblocks by balancing activities: absorbing research literature, sketching new ideas, and computational experimentation.

Dylan created the conditions for a very interesting intellectual inquiry rooted in technical and computational evidence. This allowed several pivotal decisions that led ultimately to much simpler and more efficient schemes than the ones I initially proposed. His computational patterns are now being integrated and tested at scale both at USI and Stanford University, for next-generation scientific visualization and image analysis.

Dylan has undoubtedly demonstrated that he has what it takes to contribute to technological innovation at large, being it within a cross disciplinary team, or as an independent worker. His commitment, critical thinking, technical and collaborative skills set him far aside from average.

Sincerely Yours,



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