

To Whom It May Concern,

I am writing to recommend Leif Pedersen, who has been both a student in my Introduction to Engineering Physics course and a student in the Physics and Engineering Study Line at DTU, for which I am the Head of Studies. Having had the chance to observe his academic performance, intellectual curiosity, and personal ambition, I can confidently recommend him as a strong candidate.

As his professor, I have witnessed first hand his ability not only to understand complex problems in depth but also to go above and beyond expectations. For example, during our unit on X-ray Physics—where we analyzed X-ray images of samples—rather than simply using the provided software, Leif developed his own program. His program successfully removed the equipment holding the sample from the data, boosting the accuracy of the analysis. This demonstrated his initiative to apply technical proficiency to a seemingly unrelated subject.

Furthermore, as his study leader, I have observed his initiative and willingness to push himself academically. He has demonstrated a strong interest in quantum information and computing by taking master's-level courses, such as Quantum Information and Advanced Quantum Mechanics, as early as his third semester. Rather than being discouraged by the challenge, he has only become more engaged, enrolling in additional advanced courses focused on the mathematical and programming aspects of quantum computing, such as Quantum Algorithms and Machine Learning and Quantum Compilers. Additionally, despite having exceeded the allowable course credits for his bachelor's degree, he has chosen to work on a research project with DTU's Quantum Light Source research group without the possibility of earning course credit. This exemplifies his fierce drive for academic and intellectual growth.

Beyond his academic excellence, Leif has also demonstrated strong social and leadership skills. He served as a vector (student orientation tutor) for his study line, a role requiring organizational, interpersonal, and leadership abilities. As a vector, he helped organize welcome events, cabin trips, and similar while ensuring that new students felt both socially and academically integrated into university life. His contributions to the program reflect not only his willingness to help others but also his ability to work effectively in team environments.

I strongly endorse Leif Pedersen, knowing that he is not only a highly driven and talented student but also someone who possesses the leadership and social skills to complement his academic abilities. Please feel free to contact me if you require any additional information.

Sincerely,



Asc. Prof. Kristoffer Haldrup
Head of Studies, Engineering Physics, Technical University of Denmark