

Reference Letter for Sophia Lange

by Prof. Dr. Jeremias Rößler

To whom it may concern,

It is my pleasure to write this letter of recommendation for Sophia Lange, who recently graduated with distinction from the Bachelor's program in Communication and Media Management at Karlsruhe University of Applied Sciences. I had the opportunity to supervise her during her outstanding thesis project, which she completed with the top grade of 1.0.

Sophia's thesis focused on optimizing human-robot interaction through facial animation in AI-driven dialogue systems. While the initial assignment called for the use of static images, Sophia independently proposed and developed a series of expressive keyframe animations using Blender to enhance emotional clarity in a social robot named Jarvis. Her enthusiasm for the subject was evident in the way she went far beyond the scope of the task, integrating her own emotion model, designing an animation system, and even creating a custom naming convention to ensure technical compatibility with real-time systems.

The result was a comprehensive, research-driven, and impressively executed project that combined user-focused design, 3D modeling, animation, and empirical evaluation. Her final prototype was tested with user groups and demonstrated measurable improvements in emotional recognition and interaction quality. Sophia's ability to move seamlessly between conceptual design, technical implementation, and user testing reflects a rare interdisciplinary talent.

What stood out most during our collaboration was Sophia's initiative, creativity, and genuine passion for her work. She did not settle for meeting the assignment's expectations - she redefined them. Her strong communication skills, structured way of working, and deep interest in the intersection of design, technology, and human behavior make her an ideal candidate for postgraduate studies in fields such as interactive media, animation, or game development.

I highly recommend Sophia for any academic or professional opportunity that values independent thinking, technical and creative versatility, and a strong user-centered mindset. Please feel free to contact me for further information.

Sincerely,

Prof. Dr. Jeremias Rößler

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