



Sony Europe B.V., Zweigniederlassung Deutschland
Stuttgart Technology Center
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Letter of Recommendation for Yassine Machta

We are pleased to provide the letter of recommendation for Mr Yassine Machta.

He completed his internship at Sony Europe B.V., Stuttgart Laboratory1, from January 15th, 2024 to June 30th, 2024 in our Computational Sensing Group.

Sony is one of the most innovative companies and drives technology creation through a global network of research centers. The Stuttgart Technology Center (STC) hosts two major labs in their network. The Stuttgart Laboratory1 focuses on research and technology in the areas of Computational Imaging, Wireless Communications, Radar Systems, Machine Learning and AI Speech & Sound Processing. The results of the research will define core technologies for future products and new business opportunities for Sony.

During his tenure, he worked on "3D Data Synthesis" with a focus on investigating how constraints impact 3D reconstruction. He explored various 3D reconstruction methods using multi-view 2D image inputs and obtained 3D reference data of objects with a 3D scanner. Additionally, he developed a processing pipeline to evaluate differences between object meshes. To improve the usability of this tool, he created a web-based graphical user interface for mesh comparison.

He consistently demonstrated persistent effort to overcome issues related to this project. He successfully achieved his target by implementing and showcasing a functional processing pipeline for 3D mesh comparison.

In his daily work, Mr Machta showed very good technical and theoretical skills and a keen interest to explore latest technologies. He completed his tasks in a structured way, quickly and thoroughly. The professional and very friendly manner of Mr Machta towards his supervisors and colleagues made him a very valuable team member.

We would have no hesitation in recommending him to any further employer.

We thank Mr Machta for his contribution to our department and wish him every success in both his professional and private life.

Stuttgart, July 02nd 2024

Signed by:

Zoltan Facius

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i.A. Zoltan Facius

Principal Engineer, SL1

Signed by:

Alexander Gatto

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