

JOÃO RIBEIRO PINTO

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Subject: Letter of Recommendation of Ana Maria Sousa

Dear Sir/Madam,

In 2021, as Assistant Researcher at INESC TEC (Porto, Portugal), I had the pleasure of supervising Ana Maria Sousa on a summer internship on the topic “Real-Time Driver Drowsiness Recognition System”.

Her work was aligned with the AUTOMOTIVE project, focused on automatic driver drowsiness monitoring for smart vehicles. Her work has contributed significantly to this project, specifically in the processing of data and annotations and the evaluation of deep learning architectures for the classification of drowsiness levels.

Despite the short duration of her internship, Ana Maria explored deep learning-based object detection solutions for faces and face landmarks in video images and implemented deep belief networks for dynamic fusion and classification of three levels of drowsiness (alert, moderate drowsiness, and severe drowsiness). Throughout the work, she has consistently shown a high level of autonomy and self-motivation. She has also displayed a great capacity to quickly learn advanced concepts and critically analyse her results in search of improvement.

Faced with all this, it does not surprise me to see that Ana Maria has found success after this internship, even beyond borders during her stay in the Netherlands. As such, it is my pleasure to endorse and recommend Ana Maria for any position, in the academia or industry, involving pattern recognition and computer vision. I am sure she will make a great addition to your team.

Sincerely,

João Ribeiro Pinto

more info at
jtrpinto.github.io



**Subject: Letter of Support to the Application of
Ana Maria Amaro de Sousa**

To Whom It May Concern,

I am writing this letter of recommendation for Ana Maria Amaro de Sousa, whom I had the privilege of supervising during her Master's degree in Bioengineering at Faculdade de Engenharia da Universidade do Porto (FEUP).

Ana has consistently impressed me with her high level of autonomy, self-motivation, and willingness to learn new techniques. She is a hard-worker who is always looking for ways to improve her skills, and she has demonstrated an ability to quickly learn advanced concepts and explain them in a simple way, adapting to the people she is working with.

As her thesis supervisor, I had the opportunity to witness Ana's exceptional problem-solving skills. Her Master's dissertation, in which she applied deep learning methods to adapt state-of-the-art image and video captioning approaches to generate automated preliminary clinical reports directly from the EEG signal, demonstrates her scientific and technical abilities.

During her studies, Ana completed several relevant curricular units, including Machine Learning, Advanced Topics on Artificial Intelligence, Computer-Aided Diagnostics, and Algorithms and Data Structure. Additionally, she was an active member of the IEEE Engineering in Medicine and Biology at the IEEE UP Student Branch from 2021-2022, where she had the opportunity to connect with other professionals in the field and deepen her knowledge.

Overall, I highly recommend Ana for any position related to Artificial Intelligence, as she has the knowledge, skills, and drive to excel in any project she takes on. She is an exceptional candidate who will bring a unique perspective to any team, and I am confident that she will make a valuable contribution to your organization.

Porto, April 20th, 2023

Luis Filipe Pinto de Almeida Teixeira
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