

Scientific Project Proposal for International Exchange Student

Topic : **Deep learning for art: paintings**

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Laboratory : PRISME Laboratory, Orleans, France

Internship period : From January 15th till May 2019

Abstract

The goal of this internship is to develop some image processing methods for paintings based on deeplearning. We will focus especially on the use of convolutional neural networks to automatically reconstruct infrared images. A first study has been done using classical image processing tools (SIFT, SURF, etc.). We will compare the results obtained and try to quantify the differences between both approaches.

Required skills: knowledge on Matlab, C++, Python, image processing

Bibliography



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