



**FICHE D'EVALUATION DU STAGIAIRE / STUDENT'S APPRAISAL FORM STUDENT**

Date : 30/08/2019

Nom de l'élève/Student's name : Loïc Vital

Organisme d'accueil / Company : Eurofins Ltd

Nom et fonction de l'évaluateur/Name and function of appraiser :

Ray Gabriel

Business Analyst Team leader

Signature/ Signature : *R. Gabriel*

- Jugement global sur le stage / Global opinion on the internship.

The internship overall went well. The project objectives were achieved. Interaction with Ray was positive, and overall the interactions with staff in the laboratory were positive.

The project was ambitious from the start to fit into 3 months, so my opinion is that what has been achieved in this time frame is more than what I would have expected.

- Quels sont les points forts de l'élève et les points faibles à améliorer ? / What are the student's strengths and which student skills need to be improved?

Loïc showed impressive independence and was pro-active, despite limited guidance and lack of machine learning experts in Eurofins NZ. He found solutions to various difficult problems that were presented to him, such as setting up a photographing station for photographing the plates, working with lab staff to get counts on the photos, working with limited hardware, researching online deep learning options to fit a limited budget, and achieving impressive results with an inadequate dataset in the time available.

Near the beginning of the project while working on the problem of the photographing of plates, some of Loïc's solutions proposed were too ambitious for the time frame constraints.

There was a desire on his part to have more specific weekly goals, in addition to the longer term project delivery goals. I feel Loïc could have communicated this desire so the weekly meetings could then perhaps have been adapted to suit.

- Etes-vous satisfait de cette expérience ? Envisagez-vous de reprendre un stagiaire polytechnicien ? / Are you satisfied with this experience? Will you consider hosting again a student from Polytechnique?

Yes I am satisfied with the experience because Loïc showed competence in the area of machine learning, and Eurofins now has gained useful insight into where to go from here in regard to using AI for microbiological plate reading.

Yes we would consider hosting a student from the Polytechnique, if the project is going to be continued after review, and potentially any other similar projects.

Evaluation du stagiaire/ Appraisal of student	Très bien Excellent A	Bon Good B	Moyen Satisfactory C	Faible Weak D	Insuffisant Deficient F
Autonomie/Autonomy	Y				
Quantité de travail/ Amount of work		Y			
Initiative/ Initiative	Y				
Résultats/ Results obtained	Y				
Comportement général/ General behaviour	Y				
Intégration dans l'équipe/ Team integration		Y			