

INTERNSHIP UNIVERSITÉ DE BORDEAUX

Reflection

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1 Introduction

In this document I will provide you with more information on how I experienced my internship. I will start with a substantive reflection in which I will first talk about the reflection of the content of the project. So, what I did, if it is completely finished or not and some advice I have.

Following this, I will provide a personal reflection. Here, I will talk more about any problems I had, what I learned and how I experienced it.

2 Substantive reflection

During my internship, I developed several components that contribute to a larger project. The ultimate goal was to create a website where you can see a visualization that represents an AI model with its layers and activations. This project aimed to provide a more up-to-date version of the same project that has been completed several years ago.

The project is not completely finished. There are several tasks that need further finishing. This includes creating the web application, converting the HDF5 file into JSON for providing the data, adding tests, incorporating the local explanation to the visualization... All these tasks are outlined on the GitHub repository as an Issue, which is also something I learned to work with during my internship.

Working further on this project can be easily done because I created a GitHub repository with a README file where it clearly says what each file does. This documentation will help employees who wish to continue the project understand the current state and make their changes.

Currently, the project is not being used since it requires some finishing touches first. However, it has great potential for future use. Visualizing the activations at each layer and understanding how the model arrives at decisions can be very beneficial. So, this could be used to optimize a model's performance by identifying whether the model is under-trained or over-trained.

If I could give one piece of advice it is that there should be more focus on aligning the project's knowledge in the beginning of the project to make sure it is in line with what the student saw in class. But I understand that this is hard, and I was always provided with help when I needed it.

To conclude, I am proud of the progress I made. This experience has significantly enhanced my technical skills and underscored the importance of good documentation.

3 Personal reflection

My internship was a meaningful experience. It gave me a glimpse into the professional world of a research lab and helped me understand what researchers do. I attended team meetings, joined interesting talks, and assisted others with their research by attending a kind of survey session. It was really interesting that I was able to do those things so I could get a better idea of what other researchers are researching. I learnt that working in a research lab is quite different than working in a company.

I learned a lot during my internship. I learned the importance of writing good code and the value of comments and documentation. This significantly improved my technical skills by the feedback I got on my code. Additionally, I grew in expressing how I feel, for example, the first office I was assigned to was very cold and uncomfortable, so I spoke up about it. When I was younger, I would not have said anything.

One of the challenges I faced in my internship was that the assignment was very difficult for me. It was quite different from the AI classes we had in school. I mentioned this to my supervisor after the first evaluation and he started looking for a solution. At the end, I continued working on the project, but my mentor helped with some parts. His guidance was incredibly helpful, instead of being stuck on the same part for hours, I could move forward with his assistance.

To conclude, my internship at LaBRI was a rewarding experience that provided valuable insights and skills. I am grateful for the support and opportunities I received, which have prepared me well for future challenges.

4 Conclusion

To conclude, my internship was a valuable and insightful experience. I had the opportunity to work on a project that contributes to a larger goal, even though it is not completely finished yet. I learned a lot about coding practices, documentation, and the importance of clear communication. I also gained an understanding of what it is like to work in a research lab, which is quite different from a typical company. Despite the challenges, such as the difficulty of the assignment, I am proud of the results I achieved.