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**Find an internship PFE from February 2020**

Dear Madam, Sir,

Wanting to work in a field of Machine Learning and data science, I allow myself to submit my application to your expertise especially since my profile corresponds to what you are looking for. New techniques like Machine Learning and Deep Learning are creating major IT challenges. In addition, data science is becoming more and more useful and powerful in all fields. Developing skills in this area is one of my professional objectives.

To validate my 2A training at the École des Ponts, I did a one-year internship at the SNCF during which I devoted myself to processing railway data to digitize a transport plan for a station. During my internship, I finished a lot of tasks, for example, developing software in VBA to digitize a station plan, calculating a route in DFS algorithm, completing a database in KNN, verifying the incompatibility between two routes in SVM, doing a researching about robustness and stability of Gare de Lyon by calculating a crossing time etc. My work was valuable and it facilitated the work of my colleagues. In my opinion, Machine Learning and data science are really interesting and powerful, therefore, I would like to deepen there more for my professional career.

I understand that computer knowledge is rapid to update. Therefore, I keep learning, for example, at Ecole des Ponts et Chaussées, I have taken some courses like advanced Programming in C ++, technology of software development, Operational Research and Information Processing and Machine Vision. In addition, I have also participated in some online courses, including, Deep learning specialization, Reinforcement Learning, Machine Learning on Coursera etc. As far as I am concerned, I have much passion for acquiring new knowledge related to Machine Learning.

Thanks to my experience, I am now passionate about Information Technology and I am more specifically interested in Machine Learning. In addition, InterDigital is a prestigious institute, which can give me a good opportunity to release my creativity to work and allow me to get involved in large-scale projects in which I am sure that my participation will bring innovative solutions.

I remain at your disposition to show more additional information during an interview. Please accept, Madam, Sir, the expression of my best regards.

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