Matthieu Randriantsoa
1bis Av. Albert Einstein, 69100 Villeurbanne, France
matthieu.randriantsoa@etu.univ-lyon1.fr
+33 7 70 41 65 73

Roche
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APPLICATION FOR INTERNSHIP IN PD MEDICAL AFFAIRS MEDICAL ALLIANCES OPERATIONS TEAM (REF. 202411-128818)

Dear Hiring Committee at Roche,

I am excited to submit my application for the six-month internship in Data Science and Machine Learning within the PD Medical Affairs Medical Alliances Operations Team at Roche, starting in March 2025. The opportunity to contribute to innovative evidence generation activities using machine learning aligns perfectly with my academic background and passion for healthcare data science.

I am currently pursuing a degree in Computer Engineering at Polytech Lyon and a Master's in Artificial Intelligence and Data Science at the University of Lyon, where I have gained substantial experience in Python programming and machine learning techniques. My coursework and projects have equipped me with the skills to design, implement, and evaluate machine learning models, particularly in data classification and predictive analysis. I am eager to apply these skills to support the development of ML solutions for scientific research at Roche.

During my recent internship at the Fundamental Computer Science Laboratory of the University of Orléans, I focused on data processing and dimensionality reduction techniques, such as Principal Component Analysis (PCA), which allowed me to gain valuable insights into handling large datasets. Additionally, my experience in software development during a six-month internship at AXOPEN, where I worked with cross-functional teams, has honed my ability to collaborate effectively in dynamic environments. I am confident that these skills will be transferable to the collaborative and multidisciplinary setting at Roche.

I am particularly drawn to this role because of Roche's commitment to advancing patient access to innovative medical solutions through evidence-based research. The opportunity to contribute to the PDMA MAO team's efforts in leveraging machine learning for evidence generation is highly motivating. I am enthusiastic about using my skills to help shape digital solutions that support scientific and medical knowledge expansion.

I am open-minded, proactive, and possess strong communication skills, which I believe align well with the qualities you are seeking in an intern. I am eager to bring my data science expertise and collaborative spirit to your team, contributing to Roche's mission of transforming patients' lives.

Thank you for considering my application. I am available for an interview at your earliest convenience and would be delighted to discuss how my background aligns with your team's needs.

Sincerily,

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Matthieu Randriantsoa