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The Alan Turing Institute

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To whom this concerns,

I hereby apply with great enthusiasm to join the Alan Turing Institute. After working for nearly five years at the National Physical Laboratory (NPL), I intend to take the next important step in my career. I am looking for the opportunity to take on more responsibilities in leadership and strategy. While doing so, I want to remain an active researcher participating in exciting, scientifically challenging projects and to be part of a dynamic, inclusive team where all members feel encouraged to give their best while being themselves.

I joined NPL immediately after finishing my PhD in mathematical statistics, first in the Mass Spectrometry Imaging department and, three years later, in the Data Science department. By applying my mathematical skills to varied scientific projects, I have developed my network and area of speciality, using metrology in manifold spaces. NPL's wide range of applications has been the opportunity to get involved in climate science, pathology, and mass spectrometry imaging, applying state-of-the-art data science and AI techniques and studying their theoretical and practical properties. I take pride in delivering rigorous, reproducible, and reusable work by following quality processes based on tools like Git, GitLab and CI/CD pipelines. To encourage the adoption of these tools, I develop automation scripts and templates for the rest of the laboratory. My knowledge of data science methods, understanding of the underpinning mathematics, and my ways of working led me to lead the technical delivery of several projects, guiding other team members. I also contribute to the strategic vision of the laboratory by designing project proposals, applying for internal and external grants, being an active member of special interest groups, involving myself in the design of internal policies, leading recruitment interviews, and designing training material for recruits.

The Alan Turing Institute would be an ideal place to keep growing, and I am confident I can positively impact your organisation and would be delighted to discuss our potential collaboration further with you soon.

Respectfully yours,

Xavier Loizeau