|  |  |
| --- | --- |
| Florian Guyot | Antony, May 28, 2023 |
| 29 Guynemer Street | University of Paris-Saclay |
| 92160 Antony | Attention: Ms. Janna BURMAN |
| Email: [axelflorian@free.fr](mailto:axelflorian@free.fr) |  |
| Phone: 06 51 21 25 01 |  |

Subject: Application for M2 Quantum and Distributed Computer Science

Ms. Janna BURMAN,

As a fourth-year student at EPF de Cachan, following the Engineering and Digital Technology course, and with a keen interest in the development of computer projects related to quantum physics, I am applying to your Master's program in "Quantum and Distributed Computer Science."

My education in computer engineering has provided me with a foundation in programming, algorithms, and mathematics. I have also taken courses in quantum computing, which have allowed me to understand and develop skills on platforms such as IBM Quantum and the Qiskit library. These preliminary knowledge and skills motivate me to deepen my understanding in this field by joining your Master's program.

Indeed, I aspire to design and manage supercomputers based on quantum processors. Quantum processors exhibit superiority over classical processors beyond 50 qubits, and they can potentially assist in solving complex mathematical problems whose existence we are currently unaware of. Having performed numerous fluid simulations on my computer with limited computing capacity, I would like to further develop them to make them accessible to everyone.

I sincerely appreciate your consideration of my application and I am available to provide any additional information in order to be a part of your Master's program from September to January 2024.

Thank you for your attention, Ms. Janna BURMAN. Please accept my distinguished regards.

Florian GUYOT