Quantum Inspired Software Developer

Competitive fixed + variable

2022/01/10

Please send your CV and covering letter to: hiring@multiversecomputing.com

Multiverse Computing

Multiverse is a well funded deep-tech Basque - Canadian company. We are one of the few world companies working with Quantum Computing.

We provide hyper-efficient software for companies from the financial industry wanting to gain an edge with quantum computing and artificial intelligence. Our main verticals are fraud detection, credit scoring assessment, and financial optimization.

Our team of experts is world-renowned for innovative approaches to intractable financial and macro-economics problems. We work with quantum hardware and quantum inspired methods to build machine learning solutions which exceed the predictive power of the current best solutions.

The position is based in Paris, France

As Quantum Inspired Software Developer, you will

- Join a world-class team of Quantum experts with an extensive track record in both academia and industry.
- Work with Fortune-500 customers from government and private sectors.
- Collaborate with the founding team in a fast paced startup environment.
- Contribute to designing and improving Multiverse's codebase.
- Design and implement new quantum inspired algorithms.

Required Qualifications

- Masters degree in Quantum Physics, Quantum Engineering, or related field.
- Demonstrated knowledge and experience with Tensor Network numerical
simulation methods.
- Advanced knowledge of Python and related scientific computing tools.
- Strong basis in linear algebra, maths for quantum computing, and tensor algebraic methods.
- Familiarity with Tensor Network libraries (ncon, TeNPy, Uni10, ITensor, TNT, or others).
- Ability to work with a diverse team of people, both in-person and through online resources
- Perfect command of English language

Preferred Qualifications

- PhD in Quantum Physics, Computer Science, or related field.
- Industry experience.
- Experience using git, unit testing, and docker.

Exceptional Qualifications

- Familiarity with quantum computing SDKs (Qiskit, Pennylane, or others).
- Understanding of required technical details for patent applications.
- Ability to write grant proposals.

Perks & Benefits

1. Potential to grow into long-term opportunities.
2. Working in a high paced environment, working on cutting edge technologies.
3. Opportunity to learn and teach.
4. A mix of remote and office work.
5. Relocation package.
6. Private health insurance