

## Job Description

### Internship / Working Student: Quantum Application Scientist (m/w/d)

< | Join our visionary team in revolutionizing capital & energy markets through cutting-edge data analytics and high-performance computing. We are looking for passionate tech enthusiasts who crave the opportunity to explore and promote state-of-the-art technology. If you have an insatiable hunger for innovation and want to be at the forefront of shaping the future, this is the perfect opportunity for you. Embrace the chance to make a significant impact and discover the limitless possibilities with us. | >

#### About the company

JoS QUANTUM GmbH develops software and algorithms for the financial, insurance and energy industry. JoS provides cutting edge quantum algorithms for risk management, asset allocation, stress testing, network analysis and more. Furthermore, JoS builds up unique expertise in finance, insurance, energy, software development, quantum algorithms and quantum information science to define the future quantum computing applications.

#### Qualifications and Experience:

- Currently pursuing a university degree (Bachelor/Master) in quantum information science, physics, mathematics, computer science or equivalent with a corresponding quantitative, analytical or technological specialization.
- Ability to effectively communicate results to technical and non-technical audiences.
- A passion for approaching complex problems with the goal to design and deliver novel practical solutions.
- Interested in complex optimization problems, simulation, machine learning and probabilistic modeling
- A good knowledge of programming (Desirable languages: Python).
- Proficiency in English.
- Needs to be a team player and communicative.
- EU citizenship is mandatory
- The student needs to be enrolled and be able to provide proof of health insurance

#### What you will do:

- Research, implementation, testing and deployment of quantum algorithms for industrial applications.
- Conducting experiments and benchmarks of quantum algorithms.
- Interpret and prepare output data for clients and team members.
- Go-your-own way! We strongly encourage and support creativity and self-fulfillment to follow your own ideas.

#### What we offer:

- JoS QUANTUM is an early stage startup with big ambitions on becoming the major quantum software supplier. With our flat-hierarchies we are innovative on every level and open for every idea.
- You will have 100% responsibility from day one.
- Flexible working hours: "trusted flextime".

**Apply now by sending us your CV with cover note to [career@jos-quantum.de](mailto:career@jos-quantum.de)**