Quantum Technology Job Postings

Help us to build a database of quantum technology job postings across corporates, startups, and research institutions

Key facts

Second generation quantum technologies are emerging as one of the most transformative fields of the 21st century, with applications ranging from secure communication and advanced computing to new sensing methods. Unlike traditional software or hardware industries, quantum technologies require long-term interdisciplinary collaboration between physicists, computer scientists, engineers, and industry specialists. Startups, corporates, and research institutions alike are building highly specialized teams that evolve differently depending on their environment and goals. Our final goal of this project is to create a comprehensive database of job postings to understand the upcoming requirements of the quantum technology workforce.

- **When**: Start anytime. Applications are open!
- **How to apply**: Send Philipp Sonnenschein an e-mail (at the end of this page) with your CV, grade report, and research interest

Background

Second generation quantum technologies, including computing, communication and sensing, are advancing rapidly. With the introduction of IBM's Qiskit and other cloud-based software technologies, requirements for the quantum technology workforce have been shifting rapidly. Moreover, with newer computing modalities winning in relevance, the skills and backgrounds required to continue to advance research progress is uncertain. By comprehensively scraping job postings over multiple months, we would like to understand what profile types are currently in demand and how this differs from the currently existing workforce.

Goal

Our goal is to build a robust web scraping application that can extract job postings in the quantum technology industry, across corporates, startups, and research institutions. Through common job platforms, such as Stepstone and LinkedIn, quantum-specific job portals, such as Qugeeks and Aqora, and posts on company websites, we want to get a comprehensive overview of all profiles that are currently being looked for. With this data, we will analyze current trends and needs in the quantum technology workforce.

Your profile

- Experience in web scraping (ideally Python, e.g., Selenium)
- Interest in quantum technologies and (deep tech) entrepreneurship
- Strong academic background

How to apply

Please send a CV, grade transcript and short research interest to Philip Sonnenschein (Philipp.sonnenschein@tum.de) with the email subject "IDP Application Quantum Technology Job Postings - [Your Name]"

Contact

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