

TI Solutions AG (TI Solutions), a recently founded and well-funded startup company developing high-quality and flexible stimulation devices and planning tools for temporal interference (TI) research and clinical studies, is currently seeking applicants for the post as

Senior C++ / Python Software Engineer

TI Solutions, together with its partner organizations Foundation for Research on Information Technologies in Society (IT²S), Schmid & Partner Engineering AG (SPEAG), and ZMT Zurich MedTech AG (ZMT), form the Zurich43 alliance. Z43's dedicated mission is to expand the knowledge and technology for (i) characterization, optimization, and application of the electromagnetic near-field, (ii) predictive modeling of interactions between physical agents and physiology in complex anatomies, and (iii) medical applications.

Your challenges:

- Creation of cutting-edge software for research and next-generation applications for our TI technology
- Driving the development of user-friendly and reliable applications, intuitive and powerful GUIs, scientific data processing, integration of AI and/or computationally sophisticated backend solutions
- Contributing and being involved in all stages of product development, from detailed analyses to the global level

Your strengths:

- University or technical college degree (Bachelor, Master, or PhD) in Information Technology or Computer Sciences, or equivalent knowledge
- Passion and interest in the latest technology stack and related developments
- Fascination for the design of high-quality, user-friendly, and reliable software
- Extensive C++ (at least three years of experience) in hands-on software development; additional experience with Python (scripting, testing, APIs) preferred
- Practical experience in industrial-level product development of a large code base of advantage
- Know-how and experience in the latest tools (including modern C++, Python, testing methodologies, Agile development, and continuous integration systems)
- Strong sense of responsibility and commitment to the highest quality standard of work
- Self-motivation, good organizational and communication skills, impeccable attention to detail, friendly personality, and team-spirit
- Ability to manage multiple tasks simultaneously, to work independently in a fast-paced setting, and to meet tight deadlines
- Commitment to effectively respond to the needs of partners and customers
- Proficiency in English (both written and spoken), ability to communicate in German is a plus

Our offer:

- Vibrant, multicultural, and innovative work environment that drives key technologies and fosters diversity and inclusion
- State-of-the-art laboratories, high-performance computing clusters, and production facilities
- Creative mix of global talents that span the fields of physics, electronics, mathematics, biology and more, striving for excellence and high ethical standards
- Flexible working hours at a workplace in the heart of Zurich

Applications will be accepted until the position is filled. Direct applications are preferred; applications submitted via recruitment agencies are discouraged. Please note that incomplete applications will be disregarded.

Please send your application documents (in English) consisting of motivational letter, tailored CV (max 2 pages), diplomas, transcripts (with grades), work certificates and/or reference letters (if available) to: Zurich43, Yvonne Maeder, Zeughausstrasse 43, 8004 Zurich, Switzerland, Phone: +41 44 245 98 98, jobs@z43.swiss

Informal inquiries are welcome and should be directed to [Dr. Nicolas Chavannes](#).