

TI Solutions AG, a fast-growing and well-funded startup company is currently seeking applicants for the post as

Senior C++ / Python Software Engineer

TI Solutions AG develops the next generation of non-invasive brain stimulation devices that hold promise for a range of diseases such as Alzheimer's or stroke rehabilitation. The company was founded by the inventors of temporal interference (TI) concept at MIT and Harvard (USA) and the IT'IS Foundation (CH)). TI Solutions AG is a member of the successful Zurich 43 alliance (www.z43.swiss) with core competencies in computational life sciences and related applications. We are looking for several ambitious C++ and/or Python software engineers to spearhead our TI devices and planning tools.

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++ and/or Python skills (at least three years of experience) in hands-on software development
- 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 for exceptional quality code and and highest quality standard of work
- Self-motivated to take responsibility and to get things done
- Good organizational and communication skills, impeccable attention to detail, friendly personality and team-spirit, sensitivity to customer needs, and ability to manage several tasks simultaneously, work independently in a fast-paced environment, and to meet tight deadlines
- Excellent command of the English language (both written and spoken)

Our offer:

- Stimulating environment for innovation at the forefront of our research areas and key technologies
- State-of-the-art laboratories, high-performance computing clusters, and production facilities
- Vibrant and open company culture thanks to a diverse and creative mix of people from across the globe with various backgrounds in physics, electronics, mathematics, biology, etc.
- Colleagues who are smart, competent, and passionate about valuable, cutting-edge work and who strive to meet high ethical standards

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, detailed 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 97 38, jobs@z43.swiss

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