



MaxWell Biosystems is an electronics-focused biotech company based in Zürich, Switzerland, developing and selling advanced cell imaging platforms helping our customers in the pharmaceutical industry and in academia to make their drug discovery and research more efficient. We seek highly motivated and talented individuals who will contribute in shaping our future.

Software Engineer C++ (100%)

Our technology consists of a custom-designed application-specific integrated circuit (ASIC), an FPGA-based data acquisition platform, and our software suite MaxLab Live. Our technology generates vast amounts of data when electrically imaging neuronal tissue. Such data needs to be processed, analyzed, and visualized online during operation. Additionally, our customers, working in drug discovery and neuroscience, want to focus on their pharmaceutical and scientific questions, which requires abstracting and hiding the technical complexity while still providing sufficient flexibility to adapt the application to their specific needs. Our customers are already using our software for their research worldwide, and we are now working on implementing new data analysis algorithms, customer feedback, and streamlining usability. For this, we are seeking a highly motivated software engineer to join our team and implement this challenging task.

Your Responsibilities

- Improve and further develop our graphical user interface
- Develop and support our performance critical data acquisition and analysis software platform
- Design and implement software APIs, and work with application scientists to optimize software interfaces
- Work in a multidisciplinary environment, understand customer needs, continuously improve user experience

Your Profile

- Master's degree or PhD in computer science, electrical engineering, physics or a comparable education
- Strong programming skills in C++, familiarity with latest C++ standards (C++11 and beyond)
- Experience with GUI programming (Qt), network programming, server client applications
- Interest in the field of neuroscience and biotechnology
- Knowledge in Linux OS and scripting with bash and Python
- Experience with some of the following topics is also a plus:
 - Experience with computational algorithm development and image and signal processing
 - Experience with data analysis and visualization
 - Experience in UI/UX design with Qt (and OpenGL)
 - Knowledge in hardware, electronics, and embedded software

Are you motivated, innovative and committed to delivering first-rate performance? Have you ever wanted to work with cutting-edge technology involving both engineering and biology? Do you enjoy working in an international, multidisciplinary, and interactive team? Then we might have a position for you. Join MaxWell Biosystems in innovating the future of electrophysiology for drug discovery and basic research.

Jan Müller looks forward to receiving your application documents (cover letter, resume, letter of recommendation and degrees including transcripts) by email at hr@mxwbio.com.