



MaxWell Biosystems is an electronics-focused biotech company based in Basel, 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 are an ETH Spin-off company, seeking highly motivated and talented individuals who want to contribute in shaping the future of drug discovery.

Software Engineer C++

(Internship 4-12 months)

Our core technology consists of a bio-sensor made out of an application specific integrated circuit (ASIC) chip. Together with an FPGA-based data acquisition platform and with our software suite MaxLab Live, this technology is used for drug discovery and to investigate brain cells at unprecedented detail and resolution. We are now enhancing our software MaxLab Live to perform automated experiment routines by means of a Python API (boost.python). Additionally, we are implementing various data analysis and visualization routines to enhance the user experience of our customers and to help them improve their research and drug discovery applications. For both of these activities we are seeking a highly motivated software engineer to help us either on the backend to improve the Python API and/or on the frontend with the user interface for data analysis and visualization.

Your Profile

- Studies in computer science, electrical engineering, biology or related field
- Experience with C++ (C++11/14) and Linux
- Enjoy pushing technology to its limits

You Get

- Working with cutting-edge technology
- Working on a modern C++11 code base
- Freedom to come up with and work on your own ideas
- Be part of a fast-paced technology startup at the intersection between biology, engineering and data science

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 MaxWellBiosystems in innovating the future of electrophysiology for drug discovery and basic research.

Jan Müller looks forward to receiving your application documents (cover letter, short CV) by email at jan.mueller@mxwbio.com.