

medPhoton GmbH – based in the heart of Salzburg, Austria – is a young, innovative and international operating company which focuses on the development of medical devices and software in the field of X-ray imaging, image processing and radiation therapy. Our company closely cooperates with industry partners, universities and clinics all around the world. This enables us to quickly and efficiently develop state of the art clinical products for patient use.

We are currently seeking to hire a

Software Engineer

as a fulltime member of our team.

As a Software Engineer at medPhoton:

- You will be working in projects in a multidisciplinary team of software developers, medical physicists, automation engineers and mechanical engineers. Depending on your strengths, interests, experience and talents, one or more of the following fields will be the main content of your exciting job:
 - (Re-)Designing the architecture of software modules and systems of our imaging platform. This includes derivation of requirements and design specifications, and picking up on component, system or even project ownerships. Tight cooperation with system engineers, testing departments and risk management team.
 - Implementation and verification of image reconstruction algorithms, ranging from 2D data to 3D volumes and 4D series. This includes image processing and visualisation, 2D-3D and 3D-3D registration, auto segmentation, camera-tracking, machine learning and more.
 - Maintenance / further development of software modules of our imaging and radiation therapy platform such as debugging reported issues, bug-fixing, implementing and programming feature requests, testing, documenting (according to software lifecycle process) and preparing roll outs. Development of tools for analysis, preventive maintenance and roll-out / installation.
 - Integration of our software with systems of our partners and customers (e.g. interface development) and systematic integration testing.

Requirements you have to fulfill:

- Highly motivated individual with an interest in one or more of the abovementioned fields
- Experience in C++ (we use predominantly C++ for our applications) or a comparable object-oriented computer language
- Spoken and written English

Additional skills that you may already have before acquiring them when working with us:

- Know-How in developing cross-platform compatible software using Qt
- Knowledge in the use of image processing libraries (e.g. VTK, ITK, DCMTK, openCV)
- Knowledge in GPU programming (e.g. CUDA, OpenCL)
- Background Know-How in physics, mathematics, medicine

About medPhoton employees:

- Work in one of the fastest growing, most innovative R&D driven start-ups in Austria
- Like to work creatively, independently and solve problems on their own
- Are outcome-orientated, show passion and curiosity
- Appreciate having flexible working times
- Have the opportunity to join Ph.D. programs at the Paracelsus Medical University (PMU) Salzburg
- Like to work with real world medical devices in labs and also sometimes at customer sites
- Appreciate the opportunity to expand and/or change their profile and range of duties within their career path at medPhoton

The minimum salary on offer for this position corresponds to Austrian collective agreement ("Metallgewerbe") level 3 or 4 depending on the operational area (see above). Salaries are negotiable depending on your specific qualifications and agreed responsibilities. If we drew your interest, please apply by sending us a motivation letter and your CV to jobs@medphoton.at along with links to reference work / projects if possible.



[YouTube/medPhoton](#)