



Software Engineer for Computational Physics

THE COMPANY

Fluxim is a provider of device simulation software to the display, lighting and photovoltaics industries worldwide. Our principal activity is the development and the marketing of the simulation software SETFOS which was designed to simulate light propagation and charge transport in large-area opto-electronic devices such as organic light-emitting diodes (OLEDs) and thin film solar cells (organic and inorganic). The variety of materials and thin film structures are a challenge for our customers, which is addressed efficiently with the help of our easy-to-use and reliable simulation software. Fluxim is a start-up company that combines expertise in physics, numerical methods and software development into easy-to-use software.

THE TASK

We seek to strengthen our software development team and therefore seek a new colleague for the further development of our SETFOS software kernel. The main tasks are:

- Design, implementation and test of simulation software
- Numerical implementation of physical models into efficient code
- Design and extension of interfaces to external software components
- Documentation of the software and assistance in the technical support to customers

QUALIFICATIONS

The ideal candidate has a university degree in Computer Science, Physics or Computational Science at Master or PhD level and experience in the program languages C/C++ as well as in numerical methods. Relevant experience in key competence areas such as numerical methods for partial differential equations, nonlinear optimization and parameter estimation, semiconductor physics and optics is a plus. We look for a motivated scientist or engineer that works thoroughly and independently. The candidate is expected to be proficient in English and German.

OUR OFFER

We offer an exciting job in a challenging working environment in a dynamic start-up company in the area of Winterthur and Zurich, Switzerland, in a young, highly motivated team. Your work can directly impact the company's success. Compensation is defined in dependence of the candidate's qualification. For more information please visit www.fluxim.com and contact Dr. Beat Ruhstaller by email (beat.ruhstaller@fluxim.com) or phone (+41 44 500 4770).