



# C++ developer/programmer

Simbeyond accelerates development of advanced materials and high-tech devices as used in state-of-the-art display, lighting and signage applications. We provide an unprecedented software tool for the development of organic electronic devices, such as OLEDs, that replaces a large part of the costly and time-consuming experimental efforts with computer simulations. The unique approach provided allows our customers to analyze, predict and improve device performance. This leads to a shorter time-to-market and to reduced R&D costs for the electronic devices of today and tomorrow.

## Key Responsibilities:

Simbeyond is looking for a talented C++ developer with affinity for physics and simulations to join our young and dynamic team in Eindhoven. The job involves the following responsibilities:

- Writing and improving high performance scientific simulation software
- Developing pre- and post-processing user interfaces and job control
- Verification and validation of existing code
- Acceleration of existing code e.g. via GPU computing

## Skills:

- Fluent in modern C++ (C++11, C++14)
- Experience with Boost C++ libraries is a must
- Familiar with Git version control and CMake build system
- Experience with cloud computing/high performance computing
- Familiar with the C++ Core Guidelines
- Experience using automated testing frameworks
- Familiar with Python (iPython notebooks is a plus), Bash scripting and UNIX/Linux in general
- Accustomed to GPU programming (OpenCL/CUDA) is a plus
- Experience with AWS API and the Qt application framework is a plus

## Qualifications:

The ideal candidate has a HTS/BSc or higher degree in Computer Science or a similar field and affinity with physics and simulations. Flexibility, excellent organizational and communication skills are required, as well as a quality mindset and good problem solving skills. The candidate should be fluent in English, both in written and verbal form.

## What we offer:

We offer an exciting opportunity to join a young and dynamic environment in Eindhoven, the Brainport of The Netherlands, in a team of driven professionals. Our informal company culture gives ample opportunity for personal and professional development. At the same time, you will be helping to shape our fast growing business. Are you the new team member we are looking for? Send your CV and motivation letter to [jobs@simbeyond.com](mailto:jobs@simbeyond.com) or call Siebe van Mensfoort at +31 (0) 6 3346 1600. For more information, visit [www.simbeyond.com](http://www.simbeyond.com).