FPGA Tools Intern

At Silexica’s Cologne headquarters, we are looking for an Intern in the field of FPGA tools development to work with our engineering team in various exciting projects for the duration of 6 months. We offer you the opportunity to become a part of a team of pioneering designers of tools for multicore design.

Your role:

- You will be involved in analysis, configuration and development tasks across various platforms and systems, especially those containing FPGA devices
- You will support bringing up, porting applications and do performance measurements on different boards, e.g. Xilinx UltraScale, and present your results to our team
- You will take over tasks related to developing, debugging and testing, integration and compilation, e.g. for FPGA/HLS projects or SLX compiler infrastructure
- You will do measurements of the HLS pragma’s in the Xilinx toolchain in a set of benchmarks with respect to cycle count and area
- You will use our SLX tools and drive the development of prototypes connecting new technologies to our existing products

Your Skills and Experience:

- You are studying towards a Masters’s degree in electrical engineering, computer science or a related field, having successfully completed your Bachelor
- You have solid C and C++ programming skills
- You have experience with FPGA/ HLS tools and boards from Xilinx and solid knowledge of Computer architecture
- You have previous experience in the development of hardware IP blocks from C/C++ or HDL (VHDL, Verilog, SystemVerilog)
- You are fluent in English
- You have very good analytical skills and problem-solving capabilities
- You have good communication skills
- You are a team player, who has a hands-on mentality and a desire to learn
- You are an EU citizen or possess a valid work permit. Visa sponsorship is not available for this position

We offer:

- An opportunity to work with a fascinating product – the premium multicore solution – shaping a new era of computing
- Professional guidance from our experienced engineering team
- Full responsibility for your own projects and opportunity to grow personally and professionally
- Start-up feeling with flat hierarchies, an international team and a fun work environment in Cologne Ehrenfeld

We believe that the growing gap between hardware and software development in embedded computing needs to be closed. Therefore, we develop state-of-the-art programming tools to help developers build software that runs efficiently on intelligent products such as autonomous cars or 5G base stations.

Silexica was founded in 2014 and has raised $28 million in funding so far. With its headquarters in Germany and offices in the US and Japan, Silexica is serving global customers across many rapidly transforming industries.

Silexica’s team includes some of the best software tooling experts and embedded engineers in the world, complemented by experienced industry veterans and skilled business professionals. We are incredibly passionate about revolutionizing embedded programming and you can become an important part of our success story!

Would you like to shape the future of Silexica with us? For more information about career opportunities at SILEXICA please visit www.silexica.com/careers

Are you ready for the next challenge? Grow with us and shape the future of Silexica! To apply please upload your CV, your motivation for this position and outline your availability via our recruiting system on our website.