In collaboration with Maxeler Technologies, London, UK

At Maxeler we are Passionate about Performance

We are seeking for skilled and enthusiastic people with skills in science, programming and computing hardware, to join our teams in Belgrade, Serbia; London, UK; and Delft, Netherlands.

To apply email your CV and cover letter to hiring.belgrade@maxeler.com with the following subject:
Job Application for <Position>, <Full Name>.

Careers

As a member of the Maxeler engineering team, you'll be working in a multi-disciplinary group of computer scientists, mathematicians, physicists, and computer/electrical engineers, building advanced data processing products and services (see http://www.maxeler.com).

Culture

You'll be a vital member of a team that tackles a wide range of challenging problems. While everyone has their own specialisms, Maxeler's engineers are able to multitask, often working on several projects at the same time, switching seamlessly between projects. As example covering all the way from implementing software optimizations all ther way to custom hardware. We value people who will pitch in, doing whatever needs to be done.

You can see current openings for the positions in Maxeler London office at:
http://www.maxeler.com/current-opportunities.html

www.maxeler.com

Software Engineer
Data Science

Belgrade, Serbia *(4 month internship program, full time employment)*
London, UK *(4 month internship program)*

Maxeler's Data Science team are responsible for delivering high performance solutions in the field of data-driven applications by applying scientific methods and algorithms to structured and unstructured data. We are looking for an enthusiastic software developer to join the growing team.

You will have experience in all of the following:

- Strong skill in C and/or C++ and Python
- Parallel processing
- Extending Python with C/C++
- Attention to detail when optimizing computation
- Linux including Bash
- Customer Onboarding
- Version Control (preferably Git)
- AI and Predictive analytics
- Writing Documentation

In addition, experience in the following would be desirable:

- Python scientific computing (Numpy, BColz, Pandas)
- A degree or equivalent professional qualification in Computer Science or a related discipline
- Extending Python with C/C++
- Attention to detail when optimizing computation
- Test Driven Development
- Continuous Integration
- DevOps (Docker etc)

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MAXELER
Technologies
Maximum Performance Computing

HPC Application Engineer

Belgrade, Serbia *(4 month internship program, full time employment)*
London, UK *(4 month internship program)*

As an HPC application engineer you will have opportunities to learn about various exciting applications of Maximum Performance Computing, such as risk analytics, network security, software defined networking, high-end transaction processing, computational chemistry, genomics, geoscience, computational biology and more.

Ideal candidates will have experience in all of the following:

- Object-oriented programming (Java, C++, etc.)
- Scripting experience (Python, shell, etc.)
- Extending Python with C/C++
- Linux software development
- Parallel Programming, OpenMP, MPI
- A degree or equivalent professional qualification in
- Computer Science, Engineering, Science, or a related discipline (for full time positions)

Additionally, experience in any of the following would be advantageous:

- Implementation-level knowledge of network protocols (IP, TCP, Ethernet, etc.)
- Fortran or Cobol or any other historical programming language
- Computer architecture
- DSP/scientific/HPC software design including usage of accelerators

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Software Platforms Engineer

MAXELER
T e c h n o l o g i e s
Maximum Performance Computing

Belgrade, Serbia, or London, UK

Maxeler's Software Platforms team is responsible for developing Maxeler's state of the art compiler technology and software tools. The team works closely with other engineers, scientists and mathematicians to help them overcome the challenges they encounter while developing high performance applications for Multiscale Dataflow Computers. You will be adaptable and tenacious, passionate about clean software, and have a keen interest in the future of computer architecture and compiler technology.
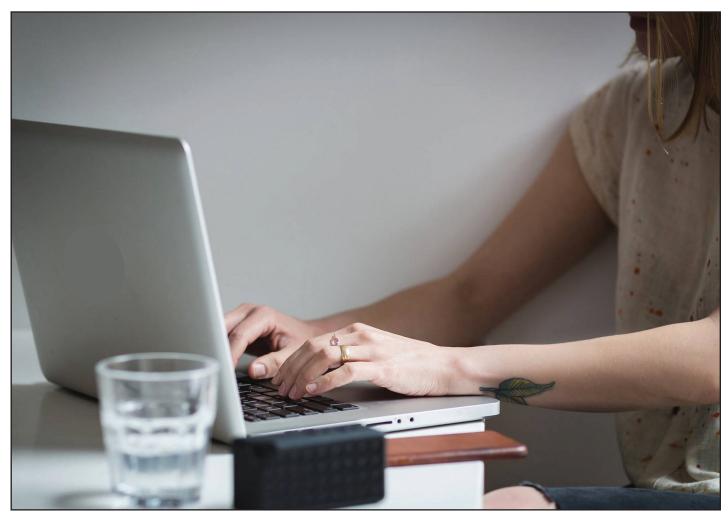
You will have experience in all of the following:

- Data structures, graphs, and computer architecture
- Java, C and C++
- Object oriented programming
- Linux and/or embedded software development

Additionally, experience in any of the following would be advantageou:

- Software testing (e.g. JUnit, Jenkins CI)
- Compiler development
- Digital hardware design (e.g. Verilog/VHDL, FPGAs
- RTOS/Embedded software

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www.maxeler.com

VHDL Engineer

Belgrade, Serbia, or London, UK

Maxeler's compiler team is responsible for integrating with our clients hardware platforms. Maxeler's compiler also generates hardware libraries and on-chip IP such as memory controllers, bus controllers, to support Multiscale Dataflow computing on-premise and in the public cloud.

You will have experience in some of the following:

- VHDL, circuit simulation and debugging
- Development, use and integration of IP cores
- Verification of IP cores

Additional experience in any of the following would be advantageous:

- Systems/device driver programming for Linux in C
- Fortran or Cobol or any other historical programming language
- Computer architecture
- Knowledge of object-oriented software techniques in Java or C++

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MAXELER
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Systems Administrator

Belgrade, Serbia, or London, UK

At Maxeler Technologies, Systems Administrators both support our internal development teams, and work on customer deployments of our hardware products. As a Systems Administrator, you will be expected to support Linux-based IT infrastructure with Maxeler's own unique, state-of-the-art computing systems and some elements of Windows, and also work on the development of products and services that are based on Linux, FreeNAS, Docker, and Cloud (AWS) technologies.

The role includes:

- Maintaining office and small datacenter room equipment
- Configuration management of the companies networking structure in the office and between offices.
- Building and modifying bespoke hardware systems
- Set-up, deployment and maintenance of workstations, servers and services
- Providing general technical support (mainly Linux, some
- Windows/OS X), including on-call support

Knowledge of networking:

- Linux Networking and user management. - iptables, VPN, firewalls, DNS, LDAP, SMB etc.

You will need an NVQ or equivalent professional qualification in IT Systems/ Computing, and following core skills

- Programming using two or more scripting languages: Bash, Python, perl, ruby, etc
- Excellent diagnostic and communication skills
- Keen and willingness to learn

In addition, experience in any of the following would be advantageous:

- Interest in high performance and low-latency networking computing systems
- Windows administration
- Amazon Web Services (AWS)
- Understanding of IT/software product development cycles

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