

## Job description:

### Field Software Engineer

As an Field Software Engineer, you will be working closely with Graphcore's customers and partners to help them in understanding and getting the most from our Intelligence Processing Unit (IPU) technology. In your work you will support some of the world's top machine learning innovators at deep learning research groups, at academic institutions, at innovative machine learning start-ups, at leading automotive companies, and at some of the world's largest cloud and internet companies.

You will need to develop a deep understanding of the IPU architecture and the associated Poplar™ tools and become familiar with leading machine learning frameworks. We want you to become an industry thought leader on Graphcore technology and developing new parallel algorithms for the IPU. You should be interested and keen to present at industry conferences, and will be able to back this up with written blogs and compelling content.

### RESPONSIBILITIES

- Own the technical relationships with our customers and partners and helping them to exploit Graphcore's IPU technology to achieve breakthroughs in artificial intelligence
- Support Sales teams as they engage new customers, understanding their AI challenges and describing how Graphcore's technology can help
- Become a recognized expert on Graphcore's IPU technology and Poplar™ tools and deliver compelling training to our customers and partners
- Work with the Product Management and Engineering to ensure a good flow of customer and market feedback that can be incorporated into future products

### REQUIREMENTS

- 3+ years of related experience writing applications for high performance computing, digital signal processors, GPUs or FPGAs
- Bachelors in Engineering, Computer Science, Mathematics, Physics or similar field
- Deep experience with C++ and in-depth knowledge of computer architectures, high performance programming and parallel programming
- Excellent communication & presentations skills and comfortable in a customer-facing environment
- Ability to multitask effectively in a fast paced environment
- Action-oriented with strong analytical and problem solving skills

- Strong time-management and organization skills for coordinating and prioritizing multiple projects and initiatives
- Keen interest to learn about the exciting new field of AI

## **DIFFERENTIATORS**

- Masters or PhD in related computationally intensive science or engineering field
- Experience working with modern deep learning software architecture and frameworks including: Tensorflow, MxNet, Caffe, Caffe2, Torch, and/or PyTorch
- Experience working with PCIe form-factor accelerators such as GPUs, DSPs or FPGAs
- Experience in the AI or Machine Learning space
- Experience in the embedded or automotive space

This position will require frequent travel to customer & partner sites.

This position could be based at Graphcore's office in Palo Alto or working as part of our team distributed through the US.

Graphcore is an equal opportunity workplace and we would like to hear from all qualified applicants. If you have a disability or any special needs that we might need to accommodate, please just let us know