**Software Engineer for R&D – Distributed Systems & AI**

**Job Description**

Huawei Canada is looking for talented and enthusiastic individuals to join the Distributed Data Storage and Management Lab, based in Markham, Ontario.  The Lab's mission is to lead and leverage distributed and AI technologies to create new Huawei products and services, plus improve the performance of existing products—from 5G network equipment to mobile phones, and from smart home appliances to cloud services.

To achieve these goals, we conduct research and development in a variety of areas including, but not limited to, Distributed Systems, Distributed Storage Systems, and Artificial Intelligence Platforms.  This exciting position is a great opportunity to grow your skill set while solving real-world problems in a fast-paced, agile environment.  Both senior and junior positions are available.

**Responsibilities**

* Design, develop, and test software in a wide range of products, including (but not limited to):

1. Concurrent systems, both parallel systems and distributed systems
2. Distributed storage systems
3. AI platforms​

* Analyze and optimize software system performance
* Participate in scrums and sprint planning
* Learn and adopt new technologies; research, survey, and present industry trends to the team
* Generate innovative ideas and new patent applications

**Qualifications**

Minimum Qualifications:

* Proficient programming in C++ (or C)
* Satisfy at least one of the following:
  1. Experience in distributed systems
  2. Development or research experience with AI frameworks (such as TensorFlow, MXNet, PyTorch) or Machine Learning Algorithms
  3. Good understanding of processor architecture and hardware accelerators (GPUs, NPUs, or FPGAs), and supporting frameworks/APIs (such as Cuda, OpenCL , Open MPI)
* Solid grasp of fundamental concepts related to system design, such as data structures, algorithms, and operating systems
* Experience in Linux or Unix development environment
* Experience with software development tools (IDE, git) and software development life cycle
* Bachelor’s Degree in Computer Science, Computer Engineering, or another relevant discipline

Preferred Qualifications:

* Extensive knowledge of deep learning, reinforcement learning and machine learning algorithms
* Experience in other programming languages: Python, shell scripting, java, go
* Academic publications
* Open source AI-related project contributor
* Master’s Degree or Ph.D in Computer Science, Computer Engineering, or another relevant discipline

**Please send your resume & transcripts directly to Kevin Cruz: kevin.cruz@huawei.com**

We thank all applicants for their interest in career opportunities with Huawei. Only selected candidates will be contacted for an interview.