



CALL FOR APPLICATION

PhD Scholarship - Industrial Postgraduate Programme (IPP)

Industry:	Infocomms & Media
Company:	Nvidia Corporation
Website:	www.nvidia.com
Contact:	Dr Simon See
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Company Profile:	<p>NVIDIA (NASDAQ: NVDA) is a technology company founded in 1993 and based in Santa Clara, California, U.S.A. NVIDIA manufactures graphics processing units (GPUs), as well as system-on-a-chip units (SOCs), in which we are the market leader in visual computing for gaming, movies and other interactive digital media sectors. In addition to GPU manufacturing, NVIDIA provides parallel processing capabilities to researchers and scientists that allow them to efficiently run high-performance applications in supercomputing sites around the world.</p>



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Job Description:

NVIDIA is searching for a world-class engineer for an exciting role as an Intern in Solutions Architecture Group. Work with the most exciting high-performance computing hardware, software and impactful projects. You will work with the latest High Performance Computing architectures (HPC) coupled with Machine Learning, and Big Data Analytics application providers to create improved workflows and develop new, differentiated solutions.

RESPONSIBILITIES:

- Defining system Level architecture, running and Tuning benchmarks on clusters.
- Develop documentation for benchmarking exercises.

Requirements:

Required Skills & Experience

- Experience working with modern HPC Hardware and system software architecture and applications
- C programming experience
- Scripting Experience
- Exposure to GPU technology and CUDA programming
- Experience working with supercomputing and technical computing
- Ability to communicate effectively
- Action oriented with strong analytical and problem solving skills

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- CUDA optimization experience
- Exposure to industry standard benchmarks for HPC systems.
- Experience with Open MP, MPI and other parallel programming languages
- Good experience with analytics tools and methodology
- BS/MS in Engineering, Mathematics, Physics, or Computer Science