Qiang Wang

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Self-Introduction

- Qiang Wang received his B.Sc. degree from South China University of Technology in 2014. He is currently a Ph.D. candidate at Department of Computer Science, Hong Kong Baptist University. His research interests include General Purpose GPU Computing and Deep Learning. He is a recipient of Hong Kong PhD Fellowship.

Education

- **Ph.D. Candidate in Computer Science** Sep. 2015 – (exp.) Aug. 2019
  Hong Kong Baptist University (HKBU)
- **B.Eng. in Computer Science and Technology** Sep. 2010 – Jul. 2014
  South China University of Technology (SCUT)

Working Experience

- **Research assistant** Department of Computer Science, HKBU Oct. 2014 – Oct. 2015
  Distributed Implementation of Deep Convolution Neural Network for Image Classification
  Image Retrieval with Deep Restricted Boltzmann Machine

Skills

- **Computer**
  Programming – C, python, MATLAB, GPU programming(CUDA, OpenCL)
  Deep Learning – PyTorch, Caffe
- **Language**
  Mandarin – Native proficiency
  Cantonese – Professional working proficiency
  English – Professional working proficiency, CET-4 (527), CET-6 (470), TOEFL (87)

Scholarships and Awards

- Hong Kong PhD Fellowship(HKPFS) April. 2015
- American Mathematical Contest in Modeling, Honorable Prize April, 2013
- School Scholarship November, 2012 and November, 2013
- National Scholarship November, 2011

Publications

- Shi S, **Wang Q**, Xu P, et al. Benchmarking State-of-the-Art Deep Learning Software Tools[J]. arXiv preprint: 1608.07249, 2016. (a short version has been presented at The 7^{th} International Conference on Cloud Computing and Big Data, 2016)
- Mei X, **Wang Q**, Chu X. A Survey and Measurement Study of GPU DVFS on Energy Conservation[J]. Digital Communications and Networks, 2016.
- He L, Lu L, **Wang Q**. An optimal parallel implementation of Markov Clustering based on the coordination of CPU and GPU[J]. Journal of Intelligent & Fuzzy Systems, 2017, 32(5): 3609-3617.
- **Wang Q**, Xu P, Zhang Y, Chu X, EPPMiner: An Extended Benchmark Suite for Energy, Power and Performance Characterization of Heterogeneous Architecture. ACM e-Energy, 2017
- **Wang Q**, Chu X. GPGPU Performance Estimation with Core and Memory Frequency Scaling[J]. arXiv preprint arXiv:1701.05308, 2017.
- **Wang Q**, Chu X. GPGPU Power Estimation with Core and Memory Frequency Scaling, accepted by Greenmetrics, in conjunction with ACM Sigmetrics, 2017.
- Liu C, **Wang Q**, Chu X, and Leung Y.-W., G-CRS: GPU Accelerated Cauchy Reed-Solomon Coding, to appear in IEEE Transactions on Parallel and Distributed Systems.
- Shi S, **Wang Q**, Chu X. Performance Modeling and Evaluation of Distributed Deep Learning Frameworks on GPUs. International Conference on Big Data Intelligence and Computing, 2018.
- **Wang Q**, Chu X. GPGPU Performance Estimation with Core and Memory Frequency Scaling. Poster to appear in The International Conference for High Performance Computing, Networking, Storage, and Analysis, 2018.