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Marc Chengliang Zhang

Aspiring Researcher
Clear Water Bay, NT., Hong Kong

RESEARCH INTERESTS

My interests covers **big data analytics systems** and **cloud computing**, with a special focus on **machine learning systems**. I enjoys identifying fundamental system design and performance issues in large-scale ML systems during both training and inference, and searching for general and efficient solutions.

EDUCATION

Hong Kong University of Science and Technology	Hong Kong SAR	09/2016 until now

Ph.D. candidate of Computer Science and Engineering,
supervised by Dr. Wei Wang
Hong Kong PhD Fellowship awardee

Harbin Institute of Technology	Harbin, P.R.China	09/2012 – 06/2016

B.E. Internet of Things Engineering
Selected Honors: National Scholarship *(Top 2%),* People's Scholarship, Fuji Xerox Scholarship

PUBLICATIONS

Chengliang Zhang, Minchen Yu, Wei Wang, and Feng Yan ''MArk: Exploiting Cloud Services for Cost-Effective, SLO-Aware Machine Learning Inference Serving,'' appears in the 2019 USENIX Annual Technical Conference (ATC'19), Renton, USA, July, 2019.

Chengliang Zhang, Huangshi Tian, Wei Wang, and Feng Yan ''Stay Fresh: Speculative Synchronization for Fast Distributed Machine Learning,'' appears in the 38th IEEE International Conference on Distributed Computing Systems (ICDCS'18, research track), Vienna, Austria, July, 2018.

EXPERIENCE

Research Assistant	**Spark cache management project**	02/2017 – 05/2017

Department of Computer Science and Engineering | HKUST
- Participated in the implementation of online LRC module in Spark.
- The work is accepted by INFOCOM'17, as LRC: Dependency-Aware Cache Management for Data Analytics Clusters

Intern Engineer	**DuRobot**	07/2015 – 05/2016

Natural Language Processing Department | Baidu, Inc.
- Participated in the research and development of a series of Intelligent Robots.
Programmer of the DeepQA module with which users can interact through natural language and gestures.

https://marcoszh.github.io/