

# Marc Chengliang Zhang

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**PRESENT POSITION**      **Ph.D Candidate**      *Office:* Room CYT 3007  
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Hong Kong University of Science and Technology      *Email:* [czhangbn@cse.ust.hk](mailto:czhangbn@cse.ust.hk)  
Clear Water Bay, Hong Kong      *Web:* <https://marcoszh.github.io/>

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

**EDUCATION**      **Hong Kong University of Science and Technology**, Hong Kong SAR  
*Department of Computer Science and Engineering*  
♦ **Ph.D.**, Electrical and Computer Engineering      September 2016 - present  
    ♦ *Supervisor:* [Wei Wang](#)  
    ♦ [Hong Kong PhD Fellowship](#) awardee, a prestigious and highly selective fellowship.  
  
**Harbin Institute of Technology**, Harbin, China  
*School of Computer Science and Technology*  
♦ **B.Eng.** Software Engineering      September 2012 - June 2016  
    ♦ *Honors:* National Scholarship (Top 2%), People's Scholarship, Fuji Xerox Scholarship

**PUBLICATIONS**      [Chengliang Zhang](#), Minchen Yu, Wei Wang, Feng Yan, "[MARk: Exploiting Cloud Services for Cost-Effective, SLO-Aware Machine Learning Inference Serving](#)," in the *Proceedings of USENIX Annual Technical Conference (ATC'19)*, Renton, WA, July 2018 (20% acceptance rate).

[Chengliang Zhang](#), Huangshi Tian, Wei Wang, Feng Yan, "[Stay Fresh: Speculative Synchronization for Fast Distributed Machine Learning](#)," in the *Proceedings of IEEE International Conference on Distributed Computing Systems (ICDCS'18)*, Vienna, Austria, July 2018 (20% acceptance rate).

## Preprints

[Chengliang Zhang](#), Minchen Yu, Wei Wang, Feng Yan, "Towards Cost-Effective and SLO-Aware Machine Learning Inference Serving on Public Cloud," to be submitted to *IEEE Transactions on Parallel and Distributed Systems*.

Yinghao Yu, [Chengliang Zhang](#), Wei Wang, Jun Zhang, Khaled Letaief, "Towards Dependency-Aware Cache Management for Data Analytics Applications," submitted to *IEEE Transactions on Cloud Computing*, currently under review.