Huanle XU

Curriculum Vitae

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EDUCATION

2012–Present	**PhD in Information Engineering**, *The Chinese University of Hong Kong.*
2008–2012	**Bachelor of Information Engineering**, *Shanghai Jiao Tong University.*

Research Experience

2010-2011   **Research on P2P System**, *Advisor: Associate Prof. Xinbing Wang.*

In this project, I propose a scheme to build an incentive system for P2P Network.In this system, the phenomenon of peers' free riding can be reduced efficiently and the throughput of the network improves.

2011-2012   **3D Image Segmentation for pulmonary vasculature**, *A Member of the Research Group*, Institute of Image Communication in SJTU.

In this project, we use two typical algorithms to segment the 3D medical image. The image is driven by huge data and we have found out the thrombosis block in lungs.

2012-2013   **Research on MapReduce Cluster**, *Advisor: Associate Prof. LAU Wing-Cheong.*

In this project, I propose two different strategies and build two models to formulate the backup issue as an optimization problem and present an Enhanced Speculative Execution algorithm. (This work will be submitted to 2013's Infocom)

PRIZES

Nov. 2011	1st Prize Provincially in National Mathematical Contest in Modeling
Aug. 2011	3rd Prize National Undergraduate Electronic Design Contest
May. 2011	3rd Prize Nationally in National Undergraduate Invitational Tournament Mathematical Contest in Modeling(23/1772)

RESEARCH INTERESTS

Image Processing

MapReduce System Design

P2P Network

Task Scheduling and Resource management