

Qingwen GUAN

管清文

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Education

- Beihang University *M.S. Software Engineering* 2012 - 2015
- Beihang University *B.S. Software Engineering (Major)* 2008 - 2012
- Beihang University *B.S. Applied Mathematics (Minor)* 2008 - 2012

Work Experience

- J.P. Morgan Chase - Quantitative Research Jul.2014 - Dec.2014
 - Code refactor and cleanup of a huge C++ library.
- Microsoft Research Asia - Visual Computing Group Nov.2013 - Jun.2014
 - Rectify Curved Documents via Robust PCA (Principal Component Analysis) Framework.
 - Implement and improve algorithm based on some papers, in 5,000 lines of C++11 code.
 - Reduce the running time from 100sec to 2sec.
- Microsoft Research Asia - System Research Group Aug.2013 - Oct.2013
 - Click Through Rate(CTR) Predict of Bing Search via Logistic Regression Algorithm.
 - Accelerate from 24 hours by hundreds of servers, to 2 hours by only 20 servers.
 - 2TB data, 2K lines of C++ code, boost, MPI.
- Coach of Beihang ACM-ICPC Training Team 2011 - 2013
 - Maintaining linux web servers and online judge system for the laboratory.
 - Organizing BUAA Programming Contests and setting up problems for the contestants.
- Teaching Assistant of C++, Data Structure, and Algorithm 2009 - 2011

Projects

- Presentation Aid System Based on Kinect 2011 - 2012
 - Make it easier to control the elements in ppt by both gestures and actions.
 - Take charge of algorithm design and implementing, 10,000 lines of code in C#.
 - Outstand in the Student Research Training Program(SRTP).

Awards

- ACM ICPC World Finals 2013 Rank 27
- ACM ICPC Asia Regionals 2012 Rank 5
- Google Code Jam 2013 & Facebook Hacker Cup 2014 Top 500
- Tencent Scholarship 2010 2/141
- Outstanding Student Leader 2008 - 2009 6/141
- Outstanding Academic Performance Scholarship 2008 - 2009 12/141

Technical Skills

- Language: C++ > Java > C# > Python > Matlab/Octave
- Tools: L^AT_EX, GIT, SVN, GCC