

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 - Intern** Jul.2014 - Dec.2014
 - Develop on a huge C++ library.
 - Design the hash function for the asset names.
- **Microsoft Research Asia - Visual Computing Group - Intern** 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 - Intern** 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.
- **Beihang University - PAR Lab - Member** 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).
- **Beihang University - ACM Training Team - Coach** 2012 - 2013
 - Maintain linux web servers and online judge system for the laboratory.
 - Organize BUAA Programming Contests and setting up problems for the contestants.
- **Beihang University - Software School - Teaching Assistant** 2009 - 2011
 - C++, Data Structure, and Algorithm

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
- **Beihang Sanguosha 3v3 Match 2013** Rank 3

Technical Skills

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