

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.
  - Improve the 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
  - A presentation aid system based on Kinect Sensor.
  - Design algorithm in 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 set 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<sup>A</sup>T<sub>E</sub>X, GIT, SVN, GCC