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
  - High Scored Courses: C++(100), Algorithm(99), Advanced Math(99), Linear Algebra(99)
- **Beihang University** *B.S. Applied Mathematics* (*Minor*) — 2008 - 2012

Work Experience

- **J.P. Morgan Chase - Quantitative Research - Intern** — Jul.2014 - Oct.2014
  - Refactor code on a huge C++ library.
  - Investigate hash functions 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.
  - Reduce the running time from 100sec to 2sec, in 5,000 lines of C++11 code.
- **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, openmp, MPI.

Campus Experience

- **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#.
- **Beihang University - ACM Training Team - Coach** — 2012 - 2013
  - Maitain 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

Techical Skills

- **Language:** C++ > English > Java > C# > Python > Matlab/Octave