Qingwen GUAN

管 清文

buaa.gg@gmail.com
(86) 134 0115 7995
https://github.com/buaagg

Education

- **Beihang University** *M.S. Software Engineering* 2012 - 2015
- **Beihang University** *B.S. Software Engineering* 2008 - 2012
  - High Scored Courses: C++(100), Algorithm(99), Advanced Math(99), Linear Algebra(99)
- **Beihang University** *B.S. Applied Mathematics (Second Degree)* 2008 - 2012

Working Experience

- **Microsoft Research Asia - Vision Computing Group** Nov.2013 - Apr.2014
  - Rectify Curved Paper documents via Robust Principal Component Analysis Algorithm.
  - Implement and improve algorithm based on the paper "Unwrapping Low-rank Textures on Generalized Cylindrical Surfaces".

- **Microsoft Research Asia - System Research Group** Aug.2013 - Oct.2013
  - Click Through Rate(CTR) Predict of Bing Search via Logistic Regression Algorithm.
  - About 2TB data, 1666 lines of C++11 code, boost, omp, MPI.
  - From 24 hours by hundreds of servers, to 2 hours by only 20 servers.
  - Refactor the code from C# to C++ and make the best of the physical memory.

- **Beihang ACM-ICPC Training Team - Coach** Sep.2011 - Aug.2013
  - Maitaining **linux web servers** and online judge system for the laboratory.
  - Organizing BUAA Programming Contests and setting up problems for the contestants.

Selected Projects

- **Presentation Aid System Based on Kinect** 2011 - 2012
  - Make it easier to control the elements in ppt by both gestures and actions.
  - Allow users to draw and write one the screen directly without any equipment in hand.
  - My work was algorithm design and implementing. About 10,000 lines of code in C#.
  - Outstanding in the Student Research Training Program(SRTP).

Honors & Awards

- ACM International Collegiate Programming Contest World Finals 2013   Rank 27
- ACM International Collegiate Programming Contest Asia Regional 2012   Rank 5
- Google Code Jam 2013 & Facebook Hacker Cup 2014   Top 500
- Tencent Scholarship 2012   2/141
- Excellent Student Cadre 2008 - 2009   6/141
- Outstanding Academic Performance Scholarship 2008 - 2009   12/141

Skills

- **Language:** C++11(QT, MPI) > Java > C# > Python > Matlab/Octave > SQL
- **OS:** Linux = Windows > OS X(daily use)