

Education

Beijing Normal University

Beijing

B.S. Computer Science, M.S. Computer Software and Theory

2007 - 2014

- Student coach of BNU ACM/ICPC team
- Organizer and problem provider of BNU Computer Programming Contest

Skills

- **Development:** C/C++, jQuery, PHP
- **Interest:** Algorithm, Linux, Web developing, Operating System
- I'm curious about new technologies, love to try new things, and good at implementing new ideas.

Projects

BNU Online Judge

C/C++, PHP, Linux

An open-source, simple but full-featured Online Judge system

2009 - now

- Website: <http://www.bnuoj.com>, source code: <http://github.com/51isoft/bnuoj>
- Self designed full-featured online judge with innovated functions like virtual judge, contests replays, categorized problems and challenge sections like *Topcoder*
- BNUOJv1 was released in 2009/04/01, url: <http://www.bnuoj.com/contest>
 - * Honored as outstanding project by university, my first time developing under Linux
 - * WebSocket and multi-threading were used for communication between modules, ptrace was used to build sandbox for programs user submitted
 - * Reached 1,000 users by 2009/09/01, 50,000 submits by 2010/03
 - * Source code was hosted at <http://code.google.com/p/bnuoj> using SVN
- BNUOJv2 was released in 2012/02, url: <http://www.bnuoj.com/bnuoj>
 - * Redesigned UI with jQuery and jQueryUI
 - * Introducing vJudge, developed with libcurl by submitting to other OJs
 - * Reconstructed judge's code using OOP, added challenge function
 - * Spin-off project: acmicpc.info Hackathon Platform
- BNUOJv3 was released in 2013/04, url: <http://www.bnuoj.com/v3>
 - * Reconstructed front-end code, using Bootstrap replacing jQueryUI
 - * SMS alert platform (<http://www.bnuoj.com/sms>) and Wechat public platform (bnuacm)
 - * Migrating from *Google Code* to *Github*

Formal Languages and Automata Course Software

VC++, MFC

• *Sponsored by National Innovation Experiment Program for University Students*

2009-2010

- Designed for autonomic learning, honored as university-level outstanding project
- I'm the leader of this project

Achievements

- Gold medal in ACM-ICPC International Collegiate Programming Contest Regional Contest 2010 and 2012, Silver medal in 2011
- Third-grade award in the first “CS cup” National Software Design contest, 2009
- Scholarship for competition achievements by graduate students, 2009 through 2012
- Scholarship for social activities, 2008 and 2009

Social Activities

- Student coach of BNU ACM/ICPC team, maintaining web servers for the team
- Head of network department, Beijing Normal University “White-Dove” Youth Volunteer Association, 2008 and 2009

Publications

- Yi, Chao, Xiao Yu Du, Su Feng, Si Yuan Li, and Yue Zhuo. *The Design of Course-Oriented Online Judge*. Advanced Materials Research 433 (2012): 4736-4740.
- Du, Xiaoyu, Chao Yi, Yu Wei, Su Feng, and Zhi Gong. *Design of Automata Online Judge*. In Information Engineering and Computer Science (ICIECS), 2010 2nd International Conference on, pp. 1-4. IEEE, 2010.
- Du, Xiaoyu, Chao Yi, Su Feng, Yu Wei, and Qiao Tang. *Autonomic learning in Course Software: A case study*. In Computer Application and System Modeling (ICCASM), 2010 International Conference on, vol. 8, pp. V8-154. IEEE, 2010.

Personal Informations

- **Hobbies:** Billiards, badminton, photography