Yi Chao

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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 Onling 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 judger'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 — *2009-2011*
    - Designed for autonomic learning, honered as university-level outstanding project
    - I'm the leader of this project

Achievements

- Google Scholarship, 2013

- 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, maitaining 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 Information

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

Contact Information

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