

Class B1003392, No.800, Dong
Chuan Rd. Shanghai, China,
200240

WANG JINGJING

(086) 135-2437-1223
wangjingjing@sjtu.edu.cn

EMPLOYMENT

Research Assistant **Shanghai Jiao Tong University** **Fall 2011 to present**

Lab: Cryptography and Information Security

- Improved an attack against the filter generator, reducing time from nD to CD , where C is a small constant.
- Proved that the reconstruction of any periodic sequence requires at most half of its bits.

Sustaining Engineer, Intern **Microsoft Inc.** **Summer 2011**

Team: Sustaining Engineering of Small Business Server

- Investigated development cost/risk of bugs; fixed one bug, reducing crash times of a background task from 30000 hits/month to 3000 hits/month.
- Designed and implemented a monitoring tool for SBS web services, which sends email notification immediately after the web service has critical issues and sends monthly reports on service performance.

Software Engineer, Intern **Saybot Inc.** **Summer 2010**

- Implemented drag & drop file upload with HTML5 and JavaScript.
- Created several automated tools with Python, including mp3 splitter/joiner, csv2json and json2csv.

EDUCATION

Shanghai, China **Shanghai Jiao Tong University** **Fall 2006 to present**

- M.S. in Computer Science, anticipated March 2013. Current GPA: 2.92/3.3
- B.S. in Computer Science, June 2010. GPA: 3.86/4.3.
- Graduate Coursework: Matrix Theory; Fundamental Algebra; Cryptographic Algorithms and Protocols; Information Theory and Coding; Pattern Recognition; Presentation Skills in English.
- Undergraduate Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture; Comp. Network; Comp. Graphics; Engineering Entrepreneurship.

TECHNICAL EXPERIENCE

Class Projects

- **Package Filter on Linux** (2009). Package filter according to iptables, allowing users to configure the filtering rules with both config texts and UI. C++, gtk+
- **Drawing Tool** (2009). A whiteboard where users can put shapes, edit them and remove those shapes; the operation of one shape will not affect the others. C++, MFC
- **Intersection Algorithms** (2009). Demonstrate principles of the intersection algorithms including ball-line intersection, cylinder-line intersection, cone-line intersection and ring-line intersection. C++, MFC
- **Operating System** (2009). Modify Minix (a UNIX-style OS) to use a different shell, an Earliest-Deadline-First scheduler (common in Real-Time OS), an i-node file system simulation (using files to simulate disk blocks). C

ADDITIONAL EXPERIENCE AND AWARDS

- **Google Anita Borg Memorial Scholarship (2012)**: Awarded for both academic background and demonstrated leadership (3 out of 72) for female post-graduates (including doctor's degree) in CS Depart., SJTU.
- **SJTU A-Scholarships (2011)**: Awarded the most competitive scholarship (15 out of 117) for post-graduates (master's degree) in CS Depart., SJTU.
- **National Scholarships (2007, 2008)**: Awarded the most competitive scholarships (about 250 out of all registered undergraduates) in SJTU for two years in a row.

Languages and Technologies

- C++; C; Java; SQL; JavaScript
- Visual Studio; Eclipse; Microsoft SQL Server; MySQL; Azure Powershell cmdlets