Taolun Chai

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Education:	**New York University**	2010 - 2012
	Master Student in Computer Science	Graduated
	Southern Polytechnic State University	2008 - 2010
	Bachelor of Science in Computer Science	Graduated with Honours
	Northeast Normal University	2006 - 2010
	Bachelor of Science in Computer Science	Graduated

Related Course:

- Algorithms
- Programming Languages
- Open Source Tools
- Operating System
- Financial Computing
- Distributed Computing

Qualifications: **Programming Languages**: C++, Java, C, C#, Python, Perl, Ruby, SQL
Editors and Tools: Vim, GCC, GDB, MySQL, Microsoft Visual Studio, CMake, LaTeX
Version Control System: Git, SVN, Perforce
Operating System: Linux, Mac OS X, Windows

Work Experience: Amazon Web Services Inc.   Software Engineer
Development Environment: Java, C++, Ruby, Perl on Linux   June 2012 - Present

- Member of AWS Platform team, launched BillManager system to handle increasing load on AWS Platform and provide detail billing information to customers.
- As the owner of AWSEmailService and AWSAccountWorkflow System, maintained existing services and implemented new features to enhance the systems.
- Designed and implemented various operation tools to automatic manually operations, the large customer account creation tool reduced bi-weekly operation load from 1.5 SDE day to 2 hours.

Shutterstock Images LLC.   Software Engineer Intern
Development Environment: C/C++, Perl on Linux   Summer 2011

- Designed and implemented a customized image analysis library for automatic detect and recognize given arbitrary image. Created a prototype of image search and auto key-wording system based on the image analysis library.
- Helped updating search engine for freestock.com.

Additional Experience: **Polytechnic State University**   Research Assistant
Development Environment: C#, Matlab on Windows   Spring 2009 through Spring 2010

- Led the Face-trace project, applied face recognition technology to identify person for access control purpose.
- Delivered the central monitoring version on schedule. Designed and implemented the hand-held version system.

On-line Java Instant Assessment System   Spring 2010

- Designed and implemented entire system, enabled assignment collecting, grading and feed-back completely online.
- Utilized by professors at SPSU served as all levels of Java programming courses.

Awards: SPSU Honours Student.
Member of Alpha (National College Honour Scholarship Society).
SPSU Computer Science Department Dean's List.
First Prize of ACM/ICPC 2008 Northeast China Part Region Site.
First Prize of ACM/ICPC 2008 Jilin Region Site.