

Taolun Chai

Address: 556 main st, Apt 104, New York, NY. Tel: (414)-530-4932 E-mail: tc1112@nyu.edu

Education:

New York University	2010 - Present
Master Student in Computer Science	Expected: May, 2012
Southern Polytechnic State University	2008 - 2010
Bachelor of Science in Computer Science	Graduated with Honors
Northeast Normal University	2006 - 2010
Bachelor of Science in Computer Science	Graduated

Related Course:

- Algorithm
- Programming Languages
- Open Source Tools
- Operating System
- Financial Computing
- Distribute Computing

Qualifications:

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

Work Experience:

Shutterstock Images LLC	Software Engineer Intern
Development Environment: C/C++, Perl on Linux	Summer 2011
<ul style="list-style-type: none">• Designed and implemented a customized Photo anlysis library for automatic detect and recognize given arbitrary image.• Designed and implemented the prototype of image search and auto key-wording system based on the library..• Helped updating search engine of freestock.com.	
Southern Polytechnic State University	Research Assistant
Development Environment: C#, matlab on Windows	Spring 2009 through Spring 2010
<ul style="list-style-type: none">• Led the FaceTrace project, which apply face recognition technology on identify person for access control purpose.• Finished the distributed version. Designed and implemented the hand-held version system.• Published "An improvement on the modified gradient method for face localization" on IEEE Southeast-Con 2010 and presented a lecture on the conference.	

Additional Experience:

On-line Java Instant Assessment System	Spring 2010
<ul style="list-style-type: none">• Applied the Unit test idea on automatically collect and grading assignments. Utilized by professors at SPSU serving all level Java programming course.• Published "Design of Online Runtime and Testing Environment for Instant Java Programming Assessment" on 2010 7th International Conference on Information Technology.	
Web-based Ontology for Vulnerability Management	Fall 2009
<ul style="list-style-type: none">• Analyzed the holistic vulnerability information with given security requirements, providing a quantitative score for the evaluated software product.• Offered recommendation on software vulnerability control to achieve ISA (Information Security Automation).	

Awards:

SPSU Honors Student.
Member of Alpha (National College Honor Scholarship Society).
SPSU Computer Science Departement Dean's List.
First Prize of ACM/ICPC 2008 Northeast China Part Region Site.
First Prize of ACM/ICPC 2008 Jilin Region Site.