CHONG SHAO

E-MAIL

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PRESENT ADDRESS

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EDUCATION

University of North Carolina at Chapel Hill, Chapel Hill, NC
Doctor of Philosophy, Computer Science, 2012-2017 (expected)

Polytechnic Institute of New York University, Brooklyn, NY
Bachelor of Science, Electrical Engineering and Computer Engineering, 2010-2012
G.P.A. 3.86/4.0

Courant Institute of New York University, New York, NY
Graduate Level Course on Computer Vision, 2011
G.P.A. 3.70/4.0

University of California, Berkeley, CA
Summer Session, Computer Science, Summer 2010
"Structure and Interpretation Computer Programs" and Discrete Math
G.P.A. 3.50/4.0

New York Institute of Technology, New York, NY
Electrical and Computer Engineering, 2007-2009
G.P.A. 3.59/4.0

EXPERIENCE

Research Assistant Computer Science Department Since Summer 2012
University of North Carolina at Chapel Hill
Chapel Hill, NC

Conduct research on statistics of shapes. Focus on medical imaging applications.

Computer Science Tutor Tutoring Center Sometime in 2010 - Spring 2012
Polytechnic Institute of NYU
Brooklyn, NY

Helped students solve problems in computer science courses; made mock exams for review purpose.
Worked on C++, Matlab and Python programming problems.

Research Assistant Information Systems and Internet Security Lab, Summer 2011
Polytechnic Institute of NYU
Brooklyn, NY

Worked on problems in image forensics, especially on the problem of fast source camera model
identification. Applied Locality-Sensitive Hashing (LSH) method to the problem, analyzed the
algorithm, implemented the algorithm and analyzed the experiment result. Wrote formal reports.
Gave presentations to colleagues.

Trainee Suzhou Software Testing Center Summer 2008
Suzhou, China

Took short training courses on software testing process; worked with experienced engineers on several enterprise software testing tasks.

PROJECTS

Handheld 3D Scanner   Computational Photography, NYU Courant   Fall 2011

Implemented "structure from motion" in two ways: Bundler and factorization method. Wrote code to implement factorization method. Applied two matlab toolboxes in camera calibration.

Parallel Sorting   Intro to Embedded System, NYU-Poly   Fall 2011

Implemented parallel sorting on two Silicon Labs microcontrollers, which involved writing code for communication and sort algorithm.

Arithmetic Logic Unit   Intro to VLSI, NYU-Poly   Spring 2011

Designed the circuit and layout of an ALU. It contained function ADD, SUB, MUL, LSHIFT, RSHIFT, AND, OR and AND.

Quantum Compilers   Physics of Quantum Computers, NYU-Poly   Spring 2011

Did a survey on the proceedings of quantum compilers. Studied Dr. Svore's Ph.D. Thesis and Prof. Aho's research. Gave presentations to classmates and professor.

Naïve Bayes OCR   SICP, UC-Berkeley   Summer 2010

Implemented an optical character recognition system based on a naive Bayes classifier model.

Other projects can be found on my GitHub page

COMPUTER SKILLS

Programming skills in Matlab, C++, Java, Objective-C, Python, Ruby
Knowledge in developing MVC web applications in Python and Java
Knowledge in using Linux
Knowledge in using CMake
Knowledge in using LaTeX

HONORS AND AWARDS

Dean's List of Distinguished Students: Spring 2009-Fall 2011

EXTRACURRICULAR ACTIVITIES

Contestant in ACM-ICPC Greater NY: 2011
Member of NYU-Polytechnic ACM-ICPC programming team: Since 2010
Chairman of a student Open Source Software Community in Nanjing, China: 2008-2009
Developer of one iPhone app on Apple app store

CERTIFICATIONS

Sun Certified Java Programmer (SCJP)
Sun Certified Java Web Developer (SCWCD)
Cisco Certified Network Associate (CCNA)