

Lynda Yang
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[REDACTED]
Charleston, WV 25314

OBJECTIVE Looking for a **full-time** position as a **software engineer**. Willing to relocate to anywhere in the continental US. Available to start ASAP.

EDUCATION **University of Illinois at Urbana-Champaign (UIUC): Aug 2008 – Dec 2009**
Computer Science, Master's of Computer Science. Dec. 2009.
GPA: 4.000

University of North Carolina at Chapel Hill (UNC-CH): Aug 2004 – May 2008
Computer Science, Bachelor of Science. May 2008.
with Highest Honors (for Honors Thesis) & Highest Distinction (for GPA)
Biology, 2nd Major (fulfilled requirements for B.S. in Biology). May 2008.
Chemistry, Minor. May 2008.
GPA: 3.976

AWARDS **National Science Foundation Graduate Research Fellowship Program** (2008)
UIUC SURGE Fellowship Program (2008): awarded to those in underrepresented groups in graduate engineering programs at UIUC
Charlie H. Dunham Scholarship in Computer Science (2007): awarded to one outstanding CS undergraduate student in the junior class at UNC-CH
Member of **5th place team in ACM-ICPC/USA Mid-Atlantic region** (2007): computer programming competition for undergraduate students
Phi Beta Kappa (2007)
Carolina Scholars Program (2004): 4-year full-tuition merit scholarship at UNC-CH
National Merit Scholarship recipient (2004)

RESEARCH **i-acoma Research Group**, Dept. of Computer Science, UIUC
Graduate Student Research Assistant (Sept 2008 – Dec 2009)

- Improved performance of a previously built deterministic replay system by migrating functionality from userland to the Linux kernel
- Continuing implementation of the replay system built during internship at Intel (see 2nd page)
- Read papers and attended seminars related to the group's work in designing novel computer architectures for multiprocessors

Computational Genetics Research Group, Dept. of Computer Science, UNC-CH
Undergraduate Student Research Assistant (Jan 2007 – May 2008)

- Designed/implemented applications visualizing large genomic datasets.
- Designed/implemented applications for statistically analyzing the correlation between genomic data and observed traits, with emphasis on developing algorithms that make such analysis amenable (time and space-wise) to very large data sets.
- Collaborated with members of the genetics department to use these applications to assist with their research experiments.

Dangl/Grant Plant Genetics Lab, Dept. of Biology, UNC-CH
Undergraduate Student Research Assistant (Sept 2005 – Dec 2006)

- Assisted in the characterization and mapping of a novel disease resistance mutant in the model plant *Arabidopsis thaliana*.
- Performed classical genetics lab techniques: Western Blots, PCRs, etc.

- INTERNSHIPS** **Intel Corporation: Programming Systems Lab in Intel Labs**, Santa Clara, CA
Technical Graduate Student Intern (May 2009 – Aug 2009)
- Designed/implemented a novel software-based deterministic replay system for shared memory multi-threaded applications in a multiprocessor
 - Modified the Linux kernel and the open source Kernel Virtual Machine (KVM)
 - Presented project at the University Parallel Computing Research Center (UPCRC) Intel Symposium
- SAS Institute: Systems & Information Security Dept.**, Cary, NC
Technical Student Intern (June 2007 – Aug 2007)
- Audited and documented the company's information security standards
 - Wrote scripts to automate various system administration tasks
 - Maintenance of the security group's website on the company's intranet
- SKILLS** C, C++, Java, Python, Maude, Verilog, SQL, PHP, JavaScript, CSS, HTML
Windows & Linux environments
- SELECTED COURSES** Algorithms & Analysis; Compiler Construction; Networks & Protocols; [Parallel] Computer Architecture; Computer Graphics; Computer Security; Models of Languages & Computation; Operating Systems; Program Verification; Software Engineering Principles; VLSI Design; WWW Programming
- PUBLICATIONS** **Recording and Replaying Concurrent Programs.** Intel: Gilles Pokam, Cristiano Pereira, Klaus Danne; UIUC: Lynda Yang, Sam King, Josep Torrellas. To appear in the Intel Technology Journal.
- Quantitative Association Analysis Using Tree Hierarchies.** Feng Pan, Lynda Yang, Leonard McMillan, Fernando Pardo Manuel de Villena, David Threadgill, and Wei Wang. IEEE International Conference on Data Mining (ICDM) 2008.
- OTHER ACTIVITIES** **President, Life Takes Guts** (Sept 2006 – May 2008): UNC-CH student organization promoting organ donation
Layout editor, Evergreen (Aug 2007 – May 2008): UNC-CH Chinese culture newsletter
Design team member, Daily Tar Heel (Jan – May 2005): UNC-CH student newspaper