

Jessica D. Young

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Objective

To obtain a summer internship in software engineering using my strong technical, programming, organizational, leadership, and communication skills.

Education

NORTH CAROLINA STATE UNIVERSITY

Ph.D. in Computer Science

expected May 2012

M.S. in Computer Science

December 2009

GPA: 4.0/4.0

Coursework: Software Engineering; Graph Theory; Database Management Concepts and Systems; Automata, Languages and Computability Theory; Requirements Engineering; Human Computer Interaction; Management Decision and Control Systems; E-Commerce Technology; Privacy

Primary Programming Language: Java

ROANOKE COLLEGE

Bachelor of Science in Computer Science and Mathematics

May 2007

Magna Cum Laude with Honors in Computer Science

Cumulative GPA: 3.8/4.0, Computer Science GPA: 3.8, Mathematics GPA: 3.9

Class Rank: 21 of 368

Primary Programming Languages: Java, C++

Experience

NORTH CAROLINA STATE UNIVERSITY

2008-Present Computer Science Graduate Research Assistant

Raleigh, NC

- Developing a theory of commitments as expressed in policies and software requirements
- Examining commitments and rights in policies
- Conducted a privacy values survey of over 2,000 internet users

NORTH CAROLINA STATE UNIVERSITY

2007-2008 Computer Science Teaching Assistant

Raleigh, NC

- CSC 226: Discrete Mathematics for Computer Scientists (Fall 2007)
CSC 510: Software Engineering (Spring 2008)
- Tutored students on course topics and homework solutions
 - Graded course assignments and exams
 - Maintained course syllabus and website

- ROANOKE COLLEGE INFORMATION TECHNOLOGY**
- 2004-2007 Senior Web Designer/Programmer Salem, VA
- Developed database-driven web applications (including a ticket purchasing system) – Java, PHP, ColdFusion
 - Updated and maintained website

- ROANOKE COLLEGE**
- 2006 Computer Science Lab Assistant Salem, VA
- Assisted students with HTML, JavaScript, and Excel

Professional Memberships

- Associate Collaborator of The Privacy Place (TPP), since August 2007
- Member of the Association for Computing Machinery (ACM), since May 2005
- Member of the Institute for Electrical and Electronics Engineers (IEEE), since August 2007

Extracurricular Activities

- North Carolina State University Women in Computer Science
- Roanoke College Women's Cross Country Team – Captain
- Roanoke College Student Chapter of Association for Computing Machinery – Vice President
- Roanoke College Programming Team

Awards

- Women's Institute in Summer Enrichment Fellowship – 2008, 2009
- North Carolina State University Computer Science Department Grace Hopper Celebration 2008 Scholarships
- Computing Research Association – Outstanding Undergraduate Award – Honorable Mention – 2007
- Roanoke College Dean's List – eight semesters
- Alpha Lambda Delta (National Honor Society for First Year Students) – 2004
- Pi Mu Epsilon (Honorary National Mathematics Society) – Secretary
- Roanoke College Outstanding Computer Science Achievement 2005, 2007
- Alpha Chi (National College Honor Society)
- Roanoke College Summer Scholar 2006
- Roanoke College Mathematical Association of America Membership Award 2006
- Alpha Lambda Delta Senior Certificate 2007
- Herta T. Freitag Mathematics Award 2007
- Senior Scholar – Mathematics 2007
- Old Dominion Athletic Conference All-Academic Team – four years

Publications

Annie I. Antón, Julia B. Earp, and Jessica D. Young, "How Internet Users' Privacy Concerns Have Evolved Since 2002," submitted to IEEE Security & Privacy

Jessica D. Young and Annie I. Antón, "Identifying Commitment-Based Software Requirements to Thwart Unfair and Deceptive Practices," *Second International Workshop on Requirements Engineering and Law*, September 2009

Jessica D. Young and Annie I. Antón, "Analyzing Policy Commitments for Privacy and Security Requirements," NCSU Computer Science Technical Report TR-2008-24, North Carolina State University, November 12, 2008.

Research

PRIVACY

2008-Present North Carolina State University Raleigh, NC
 Advisor: Dr. Annie I. Antón
 Developing a theory of commitments as express in policies and software requirements. Examining rights, commitments, and obligations in policies.
 Presented work at CRA-W Grad Cohort for Women Workshop 2009

POLICY AND REGULATORY COMPLIANCE

2007 North Carolina State University Raleigh, NC
 Advisor: Dr. Annie I. Antón
 Conducted research on privacy and security policy specification and enforcement

BEHAVIORAL BASED VISUAL QUERIES

2006 Roanoke College Salem, VA
 Advisor: Dr. Stephen B. Hughes
 Conducted research on "Behavioral Based Visual Queries" to balance the objectivity of query languages and the rapid insight afforded through visualizations.
 Presented poster at Consortium for Computing Sciences in Colleges: Southeastern Conference [refereed], Lipscomb University (November 2006)

SPIES (SPECIAL PEOPLES INFORMATION EMPOWERMENT SITE): THE DEMAND FOR A WEB PORTAL ADDRESSING THE NEEDS OF THE COMMUNITY OF PEOPLE WITH DISABILITIES

2005 Roanoke College Salem, VA
 Advisor: Dr. Anil M. Shende
 Created a web portal for people with disabilities to find needed information.
 Presented poster at Consortium for Computing Sciences in Colleges: Southeastern Conference [refereed], Lenoir-Rhyne College (November 2005)

Conference/Workshops

CRA-W Grad Cohort for Women Workshop
Seattle, WA, March 13-14, 2008

Women's Institute in Summer Enrichment Sponsored by the Team for Research in Ubiquitous
Secure Technology (TRUST)
Cornell University, Ithaca, NY, June 8-13, 2008

Grace Hopper Celebration of Women in Computing
Keystone Resort, CO, October 1-4, 2008

CRA-W Grad Cohort for Women Workshop
San Mateo, CA, March 27-28, 2009

Women's Institute in Summer Enrichment Sponsored by the Team for Research in Ubiquitous
Secure Technology (TRUST)
University of California, Berkeley, June 16-19, 2009

Second International Workshop on Requirements Engineering and Law
Atlanta, GA, September 1, 2009

17th IEEE International Requirements Engineering Conference
Atlanta, GA, August 31-September 4, 2009