

Jacob W. Bartel

bartel.jacob@gmail.com

Education

University of North Carolina at Chapel Hill

Ph.D. in Computer Science - Currently pursuing

M.S. in Computer Science - May 2012

B.S., Major: Computer Science, Minor: Mathematics - May 2009

Research Experience

Research Assistant: UNC, Computer Science Department Dec 2009 - Present

Supervisor: Prof. Prasun Dewan

Developing recommender systems for access control in information sharing systems.

Research Assistant: UNC, Computer Science Department June 2008 - Dec 2009

Supervisor: Prof. Prasun Dewan

Developed a master toolkit to allow easy switching between the AWT, Swing, SWT, and GWT toolkits and to transparently create collaborative applications.

Intern Programmer: Smithsonian Institution Archives - D.C. June 2008 - Aug 2008

Supervisor: Riccardo Ferrante

Developed proper methods for archiving emails while preserving structure and attachments. Also developed an application to combine the capabilities of the file scanning tools Jhove and DROID.

Research Assistant: UNC, Computer Science Department Aug 2007 - Dec 2007

Supervisor: Prof. Prasun Dewan

Developed a logger to track access and running time of all the methods within a Java class. Also developed a process for automatic insertion of code into an already created class.

Research Assistant: UNC, Computer Science Department Jan 2006 - May 2006

Supervisor: Prof. Prasun Dewan

Developed code to convert already created Java code into a voice-controlled interface through VoiceXML.

Refereed Conference Publications

Jacob Bartel and Prasun Dewan, Towards Hierarchical Email Recipient Prediction, Proc. CollaborateCom, Oct 2012. Acceptance ration: 0.25

Jacob Bartel and Prasun Dewan, Towards Multi-Domain Collaborative Toolkits, Proc. CSCW, Feb 2012. Two-round review process.

Teaching Experience

UNC, Computer Science Department

Aug 2009 - Dec 2009

Teaching Assistant, Supervisor: Prof. Stephen Weiss

Class: Comp 110 - Introduction to Programming

Learning Bridge, Norfolk, VA June 2007 - Aug 2007
Teacher, Supervisor: Peter Kwiterovich
Developed lesson plans and instructed more than 70 seventh and eighth grade students. The class focused on understanding and using the computer, online safety, Microsoft Office, and html.

Ohel Sholom Temple, Norfolk, VA Sept 2002 - May 2005
Teaching Assistant, Supervisor: Gail Bachman
Developed lesson plans and taught students kindergarten through sixth grade in art and Hebrew.

External Activities

UNC Computer Science Student Association 2009 — Present
University of North Carolina at Chapel Hill
Served as president Dec 2011 to Present

ACM-ICPC Computer Programming Competition 2005 — 2008
University of North Carolina at Chapel Hill

Awards

Tech Guru Dec 2007
Awarded for exceptional service by UNC ResNET once a semester to 5 employees.

James M. Johnston Scholarship May 2005 - May 2009
Scholarship awarded by the University of North Carolina to 70 incoming freshmen for academic merit and financial need. Covers all financial need over four years.

Edwing J. Rosenbaum Scholarship May 2005 - May 2009
Scholarship awarded by the Norfolk Foundation, \$1000 a year over four years.

Non-Academic Work Experience

Google Summer of Code May 2012 - Aug 2012
Student Developer for Measurement Lab
Supervisor: Eric Gavaletz

Yesware, Boston, MA May 2012 - Aug 2012
Software Engineering Intern
Supervisor: Matthew Bellantoni

UNC ResNET, Chapel Hill, NC Aug 2007 - Dec 2007
Resident Computing Consultant
Supervisor: Jeremy Buenviaje

Skills

Programming Languages

Java, Python, Ruby, Go, C, C++, SQL, L^AT_EX, XML, VXML, HTML, CSS

Operating Systems and Software

Windows (3.1, 95, 98, NT, XP, Vista, 7), Unix (Ubuntu, Red Hat), Mac OSX, Eclipse, Vim, MongoDB, Google App Engine