

# Jacob W. Bartel

bartel.jacob@gmail.com

## Education

University of North Carolina at Chapel Hill  
*Currently pursuing Ph.D. in Computer Science*

University of North Carolina at Chapel Hill, May 2009  
*Bachelors of Science*  
*Major: Computer Science, Minor: Mathematics*

## Research Experience

**Research Assistant: UNC, Computer Science Department**      December 2009 - Present  
*Supervisor: Prof. Prasun Dewan*  
Developing recommender systems for email recipient prediction.

**Research Assistant: UNC, Computer Science Department**      June 2008 - December 2009  
*Supervisor: Prof. Prasun Dewan*  
Developed a master toolkit to allow easy switching between the AWT, Swing, SWT, and GWT toolkits.

**Intern Programmer: Smithsonian Institution Archives - D.C.**      June 2008 - August 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**      August 2007 - December 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**      January 2006 - May 2006  
*Supervisor: Prof. Prasun Dewan*  
Developed code to convert already created Java code into a voice-controlled interface through VoiceXML.

## Academic Experience

**UNC, Computer Science Department**      August 2009 - December 2009  
*Teaching Assistant, Supervisor: Prof. Stephen Weiss*  
Class: Comp 110 - Introduction to Programming

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

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

## External Activities

<b>ACM-ICPC Computer Programming Competition</b> University of North Carolina at Chapel Hill	2005, 2006, 2007, 2008
<b>North Carolina Hillel</b> University of North Carolina at Chapel Hill	2005 - Current

## Awards

<b>Tech Guru</b> Awarded for exceptional service by UNC ResNET once a semester to 5 employees.	December 2007
<b>James M. Johnston Scholarship</b> 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.	May 2005 - 2009
<b>Edwing J. Rosenbaum Scholarship</b> Scholarship awarded by the Norfolk Foundation, \$1000 a year over four years.	May 2005 - 2009

## Non-Academic Work Experience

<b>UNC ResNET</b> , Chapel Hill, NC Resident Computing Consultant Supervisor: Jeremy Buenviaje	August 2007 - December 2007
<b>Hodad's Bar and Grill</b> , Chesapeake, VA Waiter Supervisor: Eric Stevens	May 2006 - August 2006
<b>Cinema Cafe</b> , Chesapeake, VA Server Supervisor: Carl McElheny	December 2004 - August 2005

## Skills

### Programming Languages

Java, Python, C, C++,  $\LaTeX$ , XML, VXML, HTML, some CSS, some PHP, some Perl, some SQL

### Operating Systems and Software

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