

William Zeller

Education	Princeton University, Princeton NJ PhD Candidate, Computer Science GPA <ul style="list-style-type: none">• 4.0 (after one semester)	Fall 2006 -
	Trinity College, Hartford CT Bachelor of Science, Computer Science Honors Project: Pitch based tune identification <ul style="list-style-type: none">• Major: Computer Science• Minor: Legal Studies GPA <ul style="list-style-type: none">• General: 3.74	June 2006
Research	Research Assistant, Trinity College, Hartford, CT <ul style="list-style-type: none">• Rewrote big number library as object oriented C++ library for use in a public key cryptosystem (extension of Summer 2003 project)• Ran timing tests on algorithms to determine which was best suited for library• Implemented prime generation algorithms and factoring algorithms (Pollard's rho)	Summer 2004
	Research Assistant, Trinity College, Hartford, CT <ul style="list-style-type: none">• Researched and compiled information on various historical cases/events for a constitutional law and civil liberties textbook• Administered system to manage references and documents	Summer 2004
	Research Assistant, Trinity College, Hartford, CT <ul style="list-style-type: none">• Researched JSP for new chapter in Java textbook• Setup Tomcat server• Converted cryptographic cipher program from Java applet to JSP site.	Winter 2003-2004
	Research Assistant, Trinity College, Hartford, CT <ul style="list-style-type: none">• Created big number library in C for use in a public key cryptosystem• Implemented various mathematical routines (binary exponentiation, Karatsuba multiplication, etc)• Used big number library to create a working version of RSA	Summer 2003
	Data Structures & Algorithms <ul style="list-style-type: none">• Mathematical Foundations of Computing• Introduction to Computing• Introduction to Internet Computing• Introduction to Computing	Fall 2005 Spring 2005 Fall 2004 Spring 2004 Fall 2003
Teaching Assistantships		
Awards	Travelers Companies Foundation Senior Research Prize <ul style="list-style-type: none">• "...awarded to student(s) whose senior research project(s) in the field of Computer Science and Engineering has been deemed the most outstanding by an independent board chosen from Trinity faculty and The St. Paul Travelers staff."	Spring 2006
	Bronzell Dinkins Award <ul style="list-style-type: none">• Given yearly to a senior for service to the CS department.	Spring 2006

	Presidential Fellow in Computer Science	Fall 2005
	<ul style="list-style-type: none"> • "The Presidential Fellowship is generally awarded by the faculty to the top Computer Science major". 	
	Ralph E. Walde Prize in Computer Science	Spring 2005
	<ul style="list-style-type: none"> • "The prize recognizes a rising senior computer science major who has demonstrated outstanding academic achievement in computer science." 	
Skills	Languages	
	<ul style="list-style-type: none"> • C, PHP (7 years) Javascript (5 years), C++ (4 years), Java (2 years), ML (1 year), Perl (.5 years) 	4 Years
	Other Languages	3 Years
	<ul style="list-style-type: none"> • HTML (4 years), XML, CSS (3 years) 	
	Frameworks	3 Years
	<ul style="list-style-type: none"> • MFC (3 years), wxWidgets (2 years) 	2 Years
Work Experience	Systems and Networking Intern	Summer 2005
	Trinity College Computing Center	
	<ul style="list-style-type: none"> • Updated legacy Perl code • Involved in the development of a fiber optics network planning and mapping web based application. • Implemented shortest paths algorithm to calculate shortest paths between switches on campus network • Updated and administered Linux and Windows computers 	
Articles/Presentation	Co-authored article for "php architect" magazine entitled "Flocking to Seagull"	Oct/Nov 2005
	<ul style="list-style-type: none"> • Introduces developers to an MVC framework called Seagull • Complete tutorial covering installation and creation of sample website 	
	Panelist at Brown University Talk	July 2005
	"In the Hot Seat: Intellectual Property"	
	<ul style="list-style-type: none"> • Discussed impact of Grokster decision and student piracy. • Other panelists included an IP lawyer and the head of Brown's computing center. 	
	Presented at Student Science Symposium, Trinity College	Spring 2004, 2005
	<ul style="list-style-type: none"> • Described algorithms and methods used in my implementation of a public key cryptosystem 	
	Panelist at Trinity College's Constitution Day	September 2005
	<ul style="list-style-type: none"> • Discussed Constitution with students 	
Personal Projects	Zempt: An open source cross-platform blogging client	2003-2004
	<ul style="list-style-type: none"> • Lead programmer until 2004 • Developed using C++ and wxWindows 	
	myTunes: A file sharing tool for use with Apple's iTunes	2003-2005
	<ul style="list-style-type: none"> • Developed using C++ and MFC • Downloaded over 3,000,000 times 	