

# Jeff Epstein - Programmer/Analyst

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<http://computer.jeffyepstein.com>

## Skills & Knowledge

### **PROGRAMMING**

- **Concepts:** Object Oriented Design, Regular Expressions, unit testing, GEDCOM ancestry format, MARC library format
- **Java** (backend, 1.3): JDBC, JSP, JavaDoc, Jakarta Ant, Apache Commons CLI, Servlets
- **Other Languages:** JavaScript, ColdFusion, DOS/Unix scripting
- **Database:** Oracle, PL/SQL, JDBC

### **GENERAL**

- **Operating Systems:** Windows 7, UNIX/Solaris, Macintosh
- **Website Development:** Basic CSS, FTP
- **Text & Input:** TextPad, Macro Scheduler, Dragon Naturally Speaking
- **Other:** RSS feed creation, file encryption (AxCrypt), source code control, sourceforge.net project management, Alexandria Library Management, Accelerated Reader & Star Reader Management (elementary school reading software systems)

### **MULTIMEDIA**

- **Concepts:** Rip/burn CDs, Create DVDs w/ menus, basic editing & touchup of video/audio/images
- **Software:** Audacity, AVS4You Multimedia Suite, PhotoFiltre, Picasa

### **OTHER**

- **Presentation:** Wink, Jing, PowerPoint
- **Music:** LilyPond (sheet music programming language), ccmixer.org, WinAmp
- **Miscellaneous:** TextPad, CutePDF (PDF generation via File->Print), MS Office

## Professional Experience

### **INSIGHT INTERACTIVE GROUP, Wilmington, Delaware**

2001 - 2002 Internet Developer

- Created, tested & maintained backends of major pharmaceutical websites (Java, JSP, Servlets, Oracle, DOS batch)
- Designed & created Java/JSP-based framework
- Created extensive JavaScript library for HTML form validation.
- Implemented build process for legacy applications
- Implemented source-code control for first time in company

### **THE WHARTON SCHOOL AT THE UNIVERSITY OF PENNSYLVANIA, Philadelphia, Pennsylvania**

1998 - 2001 Senior Programmer/Analyst

1997 - 1998 Programmer/Analyst

1997 Technical Intern

- Created Java-Servlet-based framework for the Wharton MBA Online Course Auction, a 6,000-user application (see Awards & Honors below).
- Became primary developer for the existing "Fortune Online Recruiting System", a Java-to-Oracle application used by 3,000 students & 4,000 companies. Conducted day-to-day maintenance, implemented Windows Load Balancing, decreased code base by 90 percent & increased technical documentation many times over.
- Created "Spike Channel Publisher", a backend ColdFusion process with a secure administrator interface. Generates static calendar web pages, hourly, from Oracle. Pages displayed prominently in Wharton's SPIKE intranet.
- Created "Print To Repro", a Java-to-Oracle application, allowing faculty to order printouts of their class-lists-with-photos online.
- Worked with an MBA student to implement an Object Oriented Perl module of my design, to separate technical & creative responsibilities, when generating static webpages, by implementing "templates".

<http://templatepl.jeffyepstein.com> (20kb zip)

### **CENTER FOR THE STUDY OF CONNECTIVITY AND DATABASES, West Chester, Pennsylvania**

1996 Technical Intern

- Created a CGI in Perl (including build process) to create & manage dynamic FAQs through a web interface.
- Installed & maintained NT 4, Windows 95 & NT 3.51 WS with LAN configuration plus an NT web server & ftp server.

## Awards & Honors

- Manning Publication's "Java Servlets By Example": **Primary quote on the back cover** of the book  
<http://book.jeffyepstein.com>
- Wharton MBA Online Course Auction
  - Nominated by Sun Microsystems for "**1999 Laureate Innovator for Education & Academia**," an award given by Smithsonian Institute & ComputerWorld Magazine.  
<http://1999.jeffyepstein.com>
  - Reported on in the **New York Times** & wired.com  
<http://nytimes.jeffyepstein.com>

## My work

### CODE

- **XBN Java.** A large & generically useful set of Java libraries (version 1.3) I have been creating & using since 1997. Extensive documentation.  
<http://xbnjava.jeffyepstein.com>
- **validate form.js.** Generically-useful JavaScript "package" for comprehensive HTML form validation, including live demos throughout the documentation, development tools, & customizable user error messages.  
<http://validateformjs.sourceforge.net>
- **XBN JavaScript Development Utilities.** Generically useful Java library (version 1.3) to aid JavaScript development, including compression & web-based documentation generation. Extensive documentation.  
<http://jsutiljava.sourceforge.net>
- **Textpad Macros.** Fifty-three TextPad macros I created & thoroughly documented. Includes a Regular Expression FAQ.  
<http://textpadmacros.jeffyepstein.com> (documentation)  
<http://textpad.com/add-ons/macros.html> (search for my name)
- **PMD in TextPad.** Contributed to the open source PMD source-code-analysis project, for integrating the tool into TextPad.  
<http://pmd.sourceforge.net/integrations.html#textpad>
- **Library Wink.** During my time as a long-term substitute in an elementary library, I created this twenty-minute tutorial-presentation to teach the next-year's librarian the basics of the Alexandria Library Management System,  
<http://library.jeffyepstein.com>

### ACADEMIC PAPERS

- **Peer-to-Peer is changing the internet.** Analysis of the state of P2P technologies in 2003, with a proven-wrong-but-interesting conclusion.  
<http://p2p.jeffyepstein.com>
- **The lifecycle of a successful data warehouse.** Analysis of an actual Data Warehousing project.  
<http://datawarehouse.jeffyepstein.com>
- **Design for "Multi-Chat".** Design for multi-threaded chat application to separate threads within large-group conversations.  
<http://multichat.jeffyepstein.com>

### PERSONAL WEBSITES

- Epstein/Lang **Family Tree.** More than 2,000 static webpages, generated from GEDCOM data via Jakarta Ant & Java applications. Tree contains 1,600 family members, ancestor & descendant trees, multiple indexes, & supplemental articles & photo galleries.  
<http://family.jeffyepstein.com>
- **My Boys'** Website. Seven birth stories, pictures, videos, audio, & an RSS feed for the grandparents.  
<http://brothers.jeffyepstein.com>

### OTHER

- Four **children's picture books** & a storybook I wrote for my son  
<http://superherbie.jeffyepstein.com>
- Texas Hold'em & Kakuro **cheat sheets** & a Sudoku strategy **tutorial**  
<http://holdem.jeffyepstein.com> (pdf)  
<http://kakuro.jeffyepstein.com> (pdf)  
<http://sudoku.jeffyepstein.com>

## Education

<b><u>Masters of Science in Information Systems</u></b> Drexel University (Pursuing: Completed 12 of 15 courses) 3.91 GPA	<b><u>Bachelors of Computer Science, Business Concentration</u></b> West Chester University of Pennsylvania Minor in Music -- Vocal Performance 3.40 GPA (Cum Laude Honors)
<b><u>Masters of Elementary Education</u></b> Holy Family University 3.81 GPA	<b><u>Certification: Elementary Education</u></b> 2008: Certified for Elementary Education (Level I) in both Pennsylvania & New Jersey. Scored 389 points out of a possible 400 on Praxis II. Scored in top fifteen percent nation-wide on Elementary Education: Content Knowledge section.

## Non-Computer

- I am a **professional tenor.** I am currently in an acapella group. I have sung in backup groups for Barbra Streisand, Michael Crawford & Andy Williams, at locations including Madison Square Garden, The Tweeter Center, Radio City Music Hall & the Valley Forge Music Fair.  
<http://singing.jeffyepstein.com>
- I pride myself on being a good dad to my two boys & with **how I communicate with children** in general. Beyond instinct & our formal teaching educations, my wife & I studied long & hard before ever deciding to have children. I have been most influenced by the following books: How To Talk So Kids Will Listen & Listen So Kids Will Talk, & Siblings Without Rivalry by Adele Faber & Elaine Mazlish, Playful Parenting by Lawrence J. Cohen, & Saving Childhood by Michael & Diane Medved.
- **What I do for fun:** Poker, skateboarding with my son (who scooters) every Sunday morning at the local skatepark, anything & everything Jim Henson, competitive word-seeks & sudoku with my wife, & belly-kissing my boys.