

Jonathan Rosenberg

Education

The University of Texas at Austin

Austin, TX

Dec 2009

B.S. Computer Science Program

Experience

J.J. Pickle Research Campus - Institute for Geophysics

Austin, TX

Present

July 2009

Software Developer for the Marine Seismic Data Center

- Reduced Latency by optimizing website queries to database, upgraded user interface and tools for researchers and specialists to retrieve seismic data from the Institute of Geophysics
 - Worked in PHP, MySQL, Ajax, and Adobe CS3

Department for Family Protective Services

Austin, TX

Sept 2009

July

Usability Design and Content Organizer for Electronic Training Site

- Designed electronic training website to help faculty register and manage classes on line
 - Developed in PHP, MySQL, Adobe CS4, Windows XP and MS Office

Sept 2009

July

The University of Texas at Austin

Austin, TX

Proctor for Introduction to Computing Course

- Developed a program to Automate grading for a variety of inconsistent projects
 - Developed in Bash Shell, Java, Python, Perl, Windows 7 and Eclipse IDE

E2open

Austin, TX

Aug 2007

Jan

Software Developer

- Developed an automated solution to replace a manual email process for addressing users needs. This provide both a savings in man-hours to complete the task as well as increased user satisfaction due to fast turn-around and access to immediate resolution for their needs
- Developed an automated solution to get 3rd party licenses to legal
- These solutions required integration of multiple databases as well as using wide variety of technology including (but not limited to) web design, scripting, struts, mySQL, email technology, etc
 - Integration of multiple software applications under a single JBoss server
 - Configuration of SQL permissions and developed SQL software to meet company standards
 - Coding in java and scripting languages to search company server and parse 3rd party licensing - data into xml format

Personal Projects

Austin Investment Specialists

Austin, TX

Facilitator and Cofounder

- Group of investors that educate members on how to invest by learning through first-hand experience
- Implemented an automated trading strategy in 10 days for the Interactive Brokers (IB) Collegiate Trading Olympiad
 - Used Java to reverse engineer IB's open source API to conduct online trades

Turn2Live

Austin, TX

Cofounder

- Selected among 40 business and Technical entrepreneurs to create startup in a weekend
- Helped organize/coordinate team
- Company received 15k in prize money for T2L by becoming an Idea to Product (I2P) competition finalist
 - Used PHP, Ajax, PEAR, Firefox, and CSS

The Great American Film Project (TGAFP)

Austin, TX

Webmaster-Graphic Designer

- Turned TGAFP static home page it into a dynamic page utilizing flash technology that better represented what a user would expect from a web-site dedicated to film

Dec 2006

May 2005

Sept 2005
Jan 2003

Elevator Art Club (EAC)

Austin, TX

Cofounder-Coordinator-Webmaster

- Developed a group to gain recognition for artists in the UT community. I achieved this by directing and coordinating a 5 member group of artists in designing portable artworks for downtown that was awarded "*Best of Austin Art Collective*" by "*The Austin Chronicle*"
 - Implemented a dynamic and artistic website through Flash and ActionScript Technology

Academic Projects

- Multi-threaded and parallel "Map/Reduce" paradigm used in large cluster-scale search engines
- Implemented GPU Quick Sort algorithm in CUDA
- RSA encryption and decrypt (java)
- Data File Lempel-Ziv compression and decompression (java)
- Exploiting then Preventing Stack Buffer overflow in LC-3 recursive functions

Courses

- Accounting, Micro & Macro Economics
- Intro to Stochastic Processes - Advanced Mathematics
- Physics and Chemistry [1 & 2]

Skills

Languages: Java, C++/C, ActionScript 3.0, Python, Ruby, MySQL, Shell scripting, JSP, PHP, JUnit, JavaScript, CSS, Ajax, XML, XSL, HTML1.0, MIPS

IDE's: Eclipse, NetBeans, Microsoft Visual C++, SVN software, ClearCase, Log4j

Applications: Adobe Macromedia CS3 software (Dw, Fl, Ai, Ps, etc.), Final Cut Pro, MS Office (Word, Excel, etc..), OpenOffice, Media Editing Applications

Open Source Projects: JavaBB, JSPWiki

Operating Systems: Windows XP, Linux (command line, cygwin, KDE), Mac OS X

Multi-lingual: English, German