

Jonathan Rosenberg

Education

Dec 2009

The University of Texas at Austin

Austin, TX

- Enrolled in the B.S. Computer Science Program

Experience

July 2009 - Present

University of Texas Institute for Geophysics

Austin, TX

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

Sept-July 2009

Department for Family Protective Services

Austin, TX

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-July 2009

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

Jan-Aug 2007

E2open

Austin, TX

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.
- Needed a real-time solution for getting 3rd party licenses to legal and I developed an automated solution to accomplish this, thereby providing E2open with a streamlined solution to handle both complex legal issues as well as providing a single licensing process to insure the integrity of the licensing processing system.
- 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

Dec 2008

Interactive Brokers (IB) Collegiate Trading Olympiad Austin, TX

- Implemented an automated trading strategy in two 10 days for the Forex Market
 - Used Java to reverse engineer IB's open source API to conduct online trades
 - Worked in

Mar-Dec 2008

Turn2Live Austin, TX

Cofounder

- Selected among 40 entrepreneurs to create startup Startup
- Helped organize/coordinate team
- Company received 15k in prize money for T2L by becoming an Idea to Product (I2P) competition finalist

May 2005 - Dec 2006

The Great American Film Project (TGAFF) Austin, TX :: Summer 2005-Fall 2006

Webmaster-Graphic Designer

- TGAFF had a static, hard-coded home page and I turned it into a dynamic page utilizing flash technology that better represented their mission statement as well as better representing what a user would expect from a web-site dedicated to film
- In redesigning the web-site I was able to abstract out the concepts in order to allow much easier maintenance and updates for future developers and designers, which allowed a faster implementation and a cleaner more professional design

Jan 2003 - Sept 2005

Elevator Art Club (EAC) TX :: Spring 2003-Summer 2005

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"
- I built interest in the Austin by managing unannounced group filming and performances in elevators located in downtown hot spots
- Implemented a home for the group on the web by developing a dynamic and artistic website with flash based technology that allowed easy building of video and profile libraries for the members and artwork

Class 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

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: Abode 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