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mattben

Objective

To pursue a career in which I can put to practice my passion for software / web development and expand my knowledge of design practices as they apply to development and big data.

Experience

Lawrence Livermore National Laboratory: Software Engineer 5/12 to Present

- Implemented feature enhancements and bug fixes for esgf.org node projects
- Developed using Java Swing / HTML / CSS / JavaScript / jQuery / SQL / git / github / bash
- Projects forked to my github account: esgf-web-fe / esgf-security / esgf-installer

Lawrence Livermore National Laboratory: Intern Software Developer 1/11 – 5/12

- Implemented feature enhancements for the ERW (Enterprise Reporting Workbench) home page
- Web Development using Oracle: JDeveloper 11g, ADF, JSP, JSF, JavaBeans, and SVN
- Problem solving, debugging, verifying data, creating queries

Auctiva: Intern Web Developer 5/10 – 8/10

- Implemented feature enhancements and bug fixes for <http://www.auctiva.com>
- Web Development using ASP.NET, JavaScript, jQuery, HTML, C# and SQL Server
- Problem solving, debugging, and verifying data for the management's admin screens
- Creating and modifying stored procedures and tables

Previously Work Experience 2/01 – 5/10

- Wal-Mart (12/06 - 5/10) Pardini Appliance (4/06 – 12/06) / Staples (2/01 – 4/06)

Education

California State University, Chico 5/12

Bachelor of Science degree in Computer Science; Minor in Mathematics. GPA 3.213

Achievements:

- Dean's List for Spring 2009
- EOP Honors list for the 2010 - 2011 academic year
- Inducted in to UPE (<http://upe.acm.org>)
- Dean's List for Spring 2012

Relevant Coursework: Complete class list at <http://www.mattben.info/about.php>

Mendocino Community College: Associates of Science degree in Mathematics 5/04

Skills

Web Development / Stacks

- HTML / CSS / JavaScript / jQuery
- PHP / MySQL / apache / Ubuntu
- Java Swing / PostgreSQL / Tomcat / CentOS | Redhat
- Oracle ADF / Oracle SQL / Oracle Web Logic / Redhat
- C# / ASP.NET / IIS / Windows Server

Programming Languages

- C++ Developer: Novice with using pthreads / POSIX Threads
- Java Developer: Servlets / Android SDK / Applets
- SQLs: MySQL / MSSQL / ODBSQL / SQLite

Tools

- Version Control: git / github / SVN / Subclipse / Visual SourceSafe / TortoiseSVN
- Editors: vim / Eclipse / NetBeans / JDeveloper / Visual Studio
- Database Management: command line / MySql Workbench / TOAD / SQL Server
- Operating Systems: Mac OS / Linux / Unix / Windows 7 , Vista, XP, Server 2008

Big Data (novice)

- Hadoop / Spark / Mesos
- Map Reduce / OpenMP
- Scala / Clojure / Lisp

Presentations Newest to Oldest**HTML5 Local Storage... R... Testing...**

Date: 8/24/12
 Event: Ship it day
 Location: LLNL
 Attendees: 50
 Length: 15min
 URL: <http://www.mattben.info/pdf/shipltDay.pdf>

Tools, the good, the bad the ugly

Date: 9/20/12
 Event: Tech Talks
 Location: LLNL
 Attendees: 20
 Length: 55min
 URL: <http://www.mattben.info/pdf/Tools.pdf>

ESGF UI Group Registration etc...

Date: 11/28/12
 Event: ESGF Face 2 Face Conferences
 Location: LLNL
 Attendees: 30
 Length: 20min
 URL: <http://esgf.llnl.gov/wiki/ESGF-P2P-F2F-2012>
 URL: <http://pcmdi9.llnl.gov/esgf-web-fe>

Starting with the command line

Date: 12/01/11
 Event: csplug meeting
 Location: CSU Chico
 Attendees: 35
 Length: 45min
 URL: <http://mattben.info/workshop.php>

Project List Newest to Oldest**Lawrence Livermore National Laboratory** – Software Engineer

Big Data - Setting up a compute stack for ESGF and learning these technologies.

Items: Spark, Hadoop, Mesos, Map Reduce, OpenMP, Scala, Closer, Lisp

Web Development – web 2.0 project

Items: Eclipse, MacVim, Nerdtree, HTML5, CSS3, SVN, git, JavaScript, jQuery, Java, tikiwiki

Github <https://github.com/ESGF>

<https://github.com/UV-CDAT>

Sites: <http://cssefwiki.llnl.gov/wiki/tiki-index.php>

<http://cmip.llnl.gov/cmip5/publications/>

<http://esgf.org>

<http://pcmdi9.llnl.gov/esgf-web-fe/>

<http://uvcdat.llnl.gov>

mattben – Personal Website / Sandbox

Has been my sandbox and display of my personal information. It started as a simple html web site hosted on a linode server, to now a more interactive sandbox of new things hosted on my personal linux box at home.

Items: HTML, CSS, JavaScript, jQuery, PHP, MySQL, Ubuntu, Apache, VIM, command line, git

Github: <https://github.com/mattben/mattben>

Site: <http://www.mattben.info>

getNote – Web Programming Class Project

My PHP and MySQL class, my group decided on making a note taking and sharing website. I have taken and maintained this project as my own.

Items: VIM, NotePad++, WinSCP, phpMyAdmin, MySQL, CSS, HTML, PHP, git

Documentation: <http://www.mattben.info/csci465/Milestone7.pdf>

Github: private repo

Site: <http://www.getnote.org>

getNote Android Application – Senior Project

I taught myself the Android SDK, along with a hand full of tools to create a native Android application that acted and communicated with the getNote website.

Items: Eclipse, subclipse, Android SDK, HTTP request, JSON, SVN

Documentation: <http://www.mattben.info/work.php>

App: <http://www.mattben.info/work.php>

Lawrence Livermore National Laboratory – Internship

As a member of the ICS team I worked on creating a new home page for the Enterprise Reporting Workbench internal website.

Items: JDeveloper 11g, TOAD, JIRA, Eclipse, subclipse, VNC

Auctiva – Internship

I had my first experiences programming in industry as an Intern at Auctiva, where I mainly worked on manager CRUD admin screens that helped save and make email templates.

Items: Microsoft: Windows Vista, Visual Studios, SQL Server, Visual SourceSafe; Axosoft On Time

Site: <http://www.auctiva.com>

CSLUG – Club Website ()

This site has gone through a few rebuilds; I created the 2010 site, and contributed to the current site, see the 2010 site branch under old site.

Items: VIM, MySQL, github, PHP, CSS

Github: <https://github.com/cslug/cslug-site>

Site: <http://www.ecst.csuchico.edu/cslug/>

Blitz Build – Community Services

Created a website for the department's community services project named Blitz Build.

Items: VIM, MySQL,

Github: <https://github.com/cslug/blitzbuild>

Site: <http://www.ecst.csuchico.edu/BlitzBuild/>

Club Room – CSU Chico Campus

Reconfigured the hardware of the room and installed new operating systems.

Hardware: Netgear Router, Linksys printer switch, Desktop PCs

Software: Debian, Ubuntu, Tomato

CINS 370 – Intro to Databases Group Project – Library Database Management

We had to create a database schema and implement it; we chose a Library Database, as it is easy to understand the needs of employees and customers of a Library.

Items: Microsoft Windows Vista, Microsoft Visual Studios, Microsoft SQL Server, DIA

Responsibilities: create use case diagram, object model diagram, and database schema.

Documentation: <http://www.mattben.info/csci370/ImplementationPhase.pdf>