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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: Computer Scientist / Mathematical Programmer 5/12 to Present

- Implemented feature enhancements and bug fixes for my group AIMS
- Web: Hyde, Jekyll / Bootstrap / PHP / HTML5 / CSS / JavaScript
- UVCDAT: Python / CMake / Cross platform build and release development
- ESGF: Java Swing / HTML / CSS / JavaScript / jQuery / SQL / git / github / bash

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

Relevant Coursework: Complete class list at <http://mattben.info/chico.html>

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

Skills

Web Development / Stacks

- HTML / CSS / JavaScript / jQuery
- PHP / MySQL / apache
- Python / SQLite/ Django
- Java Swing / PostgreSQL / Tomcat
- Oracle ADF / Oracle SQL / Oracle Web Logic
- C# / ASP.NET / IIS
- Ruby / SQLite / Rails

Programming Languages

- Java Developer: Servlets / Android SDK / Applets / Beans
- SQLs: MySQL / MSSQL / ODBSQL / SQLite

Tools

- Web Tools: Jekyll / Hyde / Drupal / Photoshop
- 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

Big Data (novice)

- Hadoop / Spark / Mesos
- Map Reduce / OpenMP

Publication

Harris, Matthew B. "Webengine." <http://www.iaeng.org/WCECS2014/index.html>.
Proc. of He World Congress on Engineering and Computer Science, UC Berekely, Berkeley. N.p., n.d. Web.
<http://mattben.info/media/pdf/Webengine_WCECS2014.pdf>.

Presentations Newest to Oldest

Webengine

Date: 10/23/13
Event: The World Congress on Engineering and Computer Science (WCECS'14)
Location: UC Berkeley: Berkeley CA
Attendees: 120
Length: 15min
URL: <http://www.iaeng.org/WCECS2014/ICCSA2014.html>
Source Code: <https://github.com/webshootertk/webshooter>

CMIP Publication site upgrades

Date: 12/04/13
Event: ESGF Face 2 Face Conferences
Location: Livermore Library
Attendees: 70
Length: 10min
URL: <https://github.com/ESGF/esgf.github.io/wiki/ESGF-P2P-F2F-2013>
Source Code: <https://github.com/aims-group/publications-site>

HTML5 Local Storage... R... Testing...

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

Tools, the good, the bad the ugly

Date: 9/20/12
Event: Tech Talks
Location: LLNL
Attendees: 20
Length: 55min
URL: <http://mattben.info/media/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: <https://github.com/ESGF/esgf.github.io/wiki/ESGF-P2P-F2F-2012>
URL: <http://pcmdi9.llnl.gov/esgf-web-fe>

Starting with the command line

Date: 12/01/11
Event: cslug meeting
Location: CSU Chico
Attendees: 35
Length: 45min
URL: <https://github.com/aims-group/intern/wiki/Linux-Basics>

Project List Newest to Oldest

Lawrence Livermore National Laboratory – Computer Scientist / Mathematical Programmer

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, hyde, jekyll

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

Github <https://github.com/aims-group>

<https://github.com/ESGF>

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

<https://github.com/webshootertk>

<https://github.com/cf-convention>

<https://github.com/PCMDI>

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>

<http://webshootertk.github.io>

<http://cfconventions.org>

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/media/pdf/csci465_Milestone7.pdf

Github: private repo

getNote Android Application – Senior Project

I tough 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://mattben.info/chico.html>

Source: <https://github.com/mattben/getNoteAndroid>

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://mattben.info/media/pdf/370_ImplementationPhase.pdf