#### 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

*Attendes*: 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/aims-group)

[*https://github.com/ESGF*](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>