

# Boutros AbiChedid

boutrosabichedid@yahoo.com

boutrosabichedid.com | bacsoftwareconsulting.com/blog

Coder. Designer. Software Engineer.

---

## SUMMARY OF QUALIFICATIONS

Highly skilled **Web Developer and Web Designer** with strong experience in various web programming and web technologies, especially Drupal, WordPress, PHP, JavaScript, jQuery, HTML5, CSS3, and Photoshop. 10+ years of web development and web design experience, and additional 5+ years of traditional programming and software development. Skilled at progressing from problem statement to well-documented designs. Excellent programming experience with Varian Control System (VCS) software at all levels: Graphical User Interface, software design, coding, software testing, software documentation and writing test procedures. A tech generalist who is capable of doing everything a website needs to come to life and a life-long learner staying up to date with the latest technical developments and best practices in the field.

## TECHNICAL SKILLS

<b>Programming Languages:</b>	C, C++, VCS, MATLAB
<b>Graphics   Code Software:</b>	Sublime Text, PhpStorm, Dreamweaver, Flash, Photoshop, Visio, XML Notepad, Visual Studio .NET, Brackets, Notepad++
<b>Markup Languages:</b>	HTML5, XHTML, CFML
<b>Scripting Languages:</b>	PHP, JavaScript, ActionScript 3.0, ASP
<b>Styling Languages:</b>	CSS3/2, Less, Sass, XSLT
<b>Vector Graphics:</b>	SVG
<b>Query Language:</b>	SQL
<b>CMS Platforms:</b>	Drupal, WordPress, Roxen
<b>Web Frameworks:</b>	jQuery, jQuery Mobile, jQuery UI, Bootstrap, AngularJS
<b>Databases:</b>	MySQL, Microsoft Access, DeZign for Databases
<b>Data Interchange Formats:</b>	JSON, XML
<b>Local Web Server:</b>	XAMPP
<b>Version Control:</b>	Git
<b>Analytics:</b>	Google Analytics
<b>Design Approach:</b>	RWD (Responsive Web Design), AWD (Adaptive Web Design)
<b>Languages:</b>	Arabic and French with familiarity in German

## PERSONAL PROJECTS

- Designed and developed my personal, [Featured Projects \(view3\)](#) web page based on the [Adaptive design](#) approach, using HTML5, CSS3, jQuery and Photoshop. January 2016
- Designed and developed my personal, [Featured Projects](#) web page based on the RWD approach, using HTML5, CSS3, jQuery and Photoshop. May 2015
- Designed and developed my personal, [Boutros AbiChedid](#), website based on the RWD approach, using HTML5, CSS3, jQuery, JavaScript, PHP and Photoshop. June 2013 - July 2013

## PROFESSIONAL EXPERIENCE

**Rutgers University**, Princeton, NJ

May 2016 - June 2016

### IT Application/Web Developer

Responsible for programming and maintaining the department's multi-site Drupal Content Management System (60+ Websites). Collaborate with and provide technical support to peers and other staff members and project managers. Fix technical issues and add new features as they arise through the department's Web Support ticketing system.

**Princeton University**, Princeton, NJ

July 2013 - Oct 2015

Web Developer & Web Designer

Web Developer and Web Designer for the [Princeton Neuroscience Institute](#) and the [Lewis-Sigler Institute](#). Responsible for the web development projects from conceptualization to launch. Involved in the full life cycle of web development - analysis, design, development, testing, content, deployment, maintenance and Drupal training for staff. Specialized in back-end coding to front-end coding and design, and everything in between, with a focus on delivering robust, clean, efficient, accessible and maintainable solutions.

- Designed and developed the Drupal based, fully responsive [QCB Graduate](#) website, using Drupal CMS, PHP, HTML5, CSS3, LESS, Bootstrap, jQuery and Photoshop. All stages of development from front-end to back-end and everything in between.
- Designed and developed the Drupal based, fully responsive [QCB Certificate](#) website, using Drupal CMS, PHP, HTML5, CSS3, LESS, Bootstrap, jQuery and Photoshop. All stages of development from front-end to back-end and everything in between.
- Designed and developed the Drupal based, fully responsive [Integrated Science](#) website, using Drupal CMS, PHP, HTML5, CSS3, LESS, Bootstrap, jQuery and Photoshop. All stages of development from front-end to back-end and everything in between.
- Designed and developed the Drupal based, fully responsive [Lewis-Sigler Institute](#) website, using Drupal CMS, PHP, HTML5, CSS3, LESS, Bootstrap, jQuery and Photoshop. All stages of development from front-end to back-end and everything in between.
- Re-designed the Drupal based Center for Statistics and Machine Learning ([CSML](#)) website.
- Designed and developed the Drupal based [Princeton Neuroscience Institute](#) fully responsive website, using Drupal CMS, PHP, HTML5, CSS3, LESS, Bootstrap, jQuery and Photoshop. Responsible for all stages of development.
- Designed and Developed the Drupal based [PNI Internal Website](#) - involved in all stages of development. Fully responsive and follows the latest coding standards.
- Designed and Developed the [PNI Full Screen Image Slider](#) - fully responsive and follows the latest coding standards using HTML5, CSS3, jQuery and Photoshop. A variation of the slider is also used as a Full Screen Saver at the main Lobby of the PNI building.
- Re-designed the [Roxen CMS](#) based [Neuroscience](#) website as opposed to the [old design](#).
- Designed and Developed the [Genomics Retreat](#) website.
- Designed and Developed the [Tank Lab Website](#). Fully responsive website and follows the latest coding standards using HTML5, CSS3, jQuery, PHP and Photoshop.

**Creative Marketing Alliance**, Princeton Junction, NJ

February 2013 - May 2013

Website Developer & Designer (Contract | Freelance)

Developed interactive creative online products: mainly designed and developed websites, website maintenance, website enhancements, custom programming, tested and debugged websites in various browsers and platforms, and other web related functions as needed.

**Blue Olive Online**, Clarks Summit, PA

January 2010 - August 2012

Chief Developer and Co-Founder

Involved in all aspects of web development, web design and custom web programming: From the front-end by creating elegant, user friendly and accessible websites to the back-end by writing efficient, semantic and robust code.

- Designed and developed the current version of [Blue Olive Online](#) website, using XHTML, CSS, JavaScript and Photoshop.
- Designed and developed [Kyoto Restaurant](#) website, using XHTML, CSS, JavaScript and Flash.
- Designed and developed [Byblos Rentals](#) website using XHTML, CSS, JavaScript and Photoshop.
- Developed [Solid State Lighting](#) website, using PHP, JavaScript, SQL, CSS, XML, and MySQL.
- Designed, developed and maintain [Saint Ann Maronite](#) Church website, using XHTML, CSS, JavaScript, XML, Flash and Photoshop.
- Developed a basic [Shopping Cart](#) website, using PHP, SQL, CSS and MySQL.

## **Boutros AbiChedid Blog**

March 2010 - Present

### Blogger

- Author of 120<sup>+</sup> tutorials on WordPress, Drupal and web development in general.
- Co-author of 49<sup>+</sup> tutorials on Drupal, WordPress and web development in general.
- My WordPress Blog can be viewed in four different themes. Each theme was extensively modified in design, custom code and functionality.

## **BAC Software Consulting**, Beverly, MA

April 2008 - December 2009

### Chief Developer and Founder

A solo web developer, responsible for all aspects of web development, web design, testing, deployment and maintenance. Wore multiple hats: web programmer, web designer, user-friendly website architect, web performance optimizer, content editor, SEO and web accessibility specialist.

## **Osram Sylvania**, Danvers, MA

November 2007 - February 2008

### Web Developer for LED Systems (Contract)

- Designed and developed **Osram Sylvania LED Signage Calculator** web tool using HTML, CSS and JavaScript. The tool is an online Application that extensively uses JavaScript to calculate the quantity of LED products and power supplies needed for a particular signage.

## **Continuing Education**

August 2005 - February 2007

- Learned Visual C++.NET - 360 hours.
- Learned the web at [w3schools.com](http://w3schools.com): Learned multiple web-building technologies (XML DOM, HTML DOM, ADO, VBScript, ASP, TCP/IP, web Services and other web technologies) - 214 hours.

## **Varian Semiconductor Equipment Associates**, Gloucester, MA

September 1997 - April 2001

### Control Systems Software Engineer

- Software development for VISta 810 and VISta 3000 Ion Implanters.
- Acquired extensive knowledge of the in-house Varian Control System (VCS) software.
- Designed and programmed the Ion Implanters' facilities system, partial vacuum system, magnet calibration, Golden search, beam shutdown, and others.
- Wrote test procedures and software documentation for the Implanters' facilities, magnet calibration, vacuum system, startup shutdown, Golden search, interlock monitor, and others.
- Designed and developed text and graphical screens.
- Designed and developed Graphical User Interface (GUI) screens for the Implanters' facilities, vacuum, safety, startup/shutdown and others.
- Performed extensive hardware testing of the software.
- Gained substantial hands-on experience on VISta 810 and VISta 3000 ion implanters.
- Acquired broad expertise with installing and troubleshooting the VCS software.
- Gained excellent knowledge with reading electrical and system schematics.
- Demonstrated proficiency in training others on using the VCS software.
- Worked with technicians, electrical engineers, mechanical engineers, and software engineers from other teams, as part of the cross-functional environment.

## **University of Alabama at Birmingham**, Birmingham, AL

June 1995 - November 1996

### Graduate Research Assistant

- Modeled, optimized, and controlled the *Escherichia coli* growth in a fermentation process while controlling the inhibition by-products using simulation techniques (MATLAB and C).

**Thesis:** *Experiment Design for Modeling and Control Strategies of Escherichia Coli Fermentation Process; 1996, 125 pages.*

## **EDUCATION**

MS, Electrical Engineering (MSEE), [University of Alabama at Birmingham](#), Birmingham, AL, Dec. 96  
MS, Health Physics (MSHP), [Georgia Institute of Technology](#), Atlanta, GA, Sep. 94  
Bachelor, Electrical Engineering (BEE), [Georgia Institute of Technology](#), Atlanta, GA, March 93

### CERTIFICATIONS

[Lynda.com](#) - Completed 49 courses. View [Certifications1](#) & [Certifications2](#). View [Summary](#).  
[eClasses.org](#) - Completed 29 web related courses: View [Transcript](#). View [Summary](#).  
[eClasses.org](#) - Earned Certificate in *Web Business*, March 2011  
[eClasses.org](#) - Earned Certificate in *Web Graphics and Multimedia*, March 2010  
[eClasses.org](#) - Earned Certificate in *Web Programming*, Sep. 2008  
[eClasses.org](#) - Earned Certificate in *Web Technologies*, Feb. 2008  
[Northeastern University](#) - Completed C Programming course, Boston, MA, fall 1998  
[Northeastern University](#) - Completed Advanced C Programming course, Boston, MA, winter 1999

### TRAINING

1-day training: [DrupalCamp NJ 2016](#) - January 30, 2016  
1-day course: [Essentials of Usability: User Centered Design](#) - May 1, 2015  
1-day training: [DrupalCamp NJ 2015](#) - January 31, 2015  
1-day course: [Drupal 8 Module Development](#) - January 30, 2015  
1-day training: [DrupalCamp NJ 2014](#) - February 1, 2014  
5-day course: [Drupal](#) - February 2014  
5-day course: [SharePoint 2010](#) - September 2013  
5-day course: [Creating and Maintaining Websites with Roxen CMS](#) - October 2013