

# PHILIP LEE

philip@cyberena.com  
<http://www.cyberena.com>

415.722.3906

Los Angeles, CA

## SUMMARY

Professional Software Engineer with over 12 years of software design and development experience. Demonstrated expertise in design and development of complex enterprise and web-based systems using JavaScript, HTML, CSS, Photoshop, PHP, MySQL.

## PROFESSIONAL EXPERIENCE

Project: **Create and Launch New Site** 2011  
*Gild Inc.* <http://www.gild.com>

- Created new site in web 2.0 fashion to replace obsolete and excessively heavy old site
- Developed in Ruby on Rails platform
- Created several tricky special effects for full cross browser compatibility
- Developed solutions for handling preloading problems while using the cloud due to dynamic image url creations
- Authored entire UI
- Technologies Used: JS, CSS, HTML, JQuery, Photoshop

Project: **AFROTC / Switch Light Bulb** 2011  
*Euroscg Inc.* <http://www.euroscg.com>

- AFROTC: Working on a custom PHP Framework, reskinned the entire application form and added new features and validations along with database query updates. ([AFROTC Application Landing Page](#))
- Switch Light Bulbs: Created entire frontend of site to be used for a major marketing ad campaign.
- Technologies Used: JS, CSS, HTML, JQuery, PHP, MySQL, Photoshop

Project: **HP Celebrations / SunDrop.com / CamelBak.com** 2010-2011  
*EVB Inc.* <http://www.evb.com>

- CamelBak: Developed entire UI including top carousel banner with JS to avoid FLASH with integration SiteCore backend.
- Developed solutions for handling last DB product image importing and auto resizing issues and chopped up photoshop PSD for production. <http://www.camelbak.com>
- Hewlett Packard Celebrations: Developed configurable media system for HP Team.
- Developed both backend and frontend, utilizing CodeIgniter as framework.
- Created SQL Schemas integrated with PHP AMF Gateway to communicate with FLASH.
- Developed large file management for upload, storing and retrieving music, video and audio files uploaded by users.
- SunDrop: Created Non Flash version of site (<http://www.sundrop.com>)
- Technologies Used: OO Javascript, CSS, HTML, JQuery, CI, OO PHP, MySQL, Photoshop

Project: **Fastcompany / Microsoft / Participant Media / AMEX / Nike / DKNY** 2009-2010  
*Mekanism Inc.* <http://www.mekanism.com>

- Developed any and all solutions for various clients of Mekanism Inc. using Drupal & CodeIgniter frameworks, integrating Baynote, Omniture, Facebook Development
- FastCompany developed entire UI interaction (login/reg/account management/validation

/various content handling) communicating with backend and flash protocol and developed the look/feel theme (<http://influenceproject.fastcompany.com>)

- Participant Media/AMEX: Developed and maintained Drupal system for TakePart.com, created AMEX campaigns launched for Olympics ads, incorporating heavy AJAX interaction with complex custom backend developments. Integrated Google GSA, Baynote and Omniture. (<http://www.takepart.com>)
- Developed from scratch an internal FTP system for Mekanism allowing custom account management to work with rackspace cloud. Developed DB Schemas integrated with CI Views/Controllers with AJAX support.
- Microsoft: Developed Deep Zoom Studio UI, working with Azure (<http://www.deepzoomstudio.com/>)
- Nike: Created promotional html / email ads and handling registrations/mailer with using JAVA
- DKNY: Created toolkit login system / DB Schema / multi-language banner ads with Facebook like support.
- Technologies Used: OO Javascript, CSS, HTML, JQuery, CI, Drupal, OO PHP, MySql, Photoshop

Project: **Nuclear Power Plant Robot Control Panel** 2008 - 2009  
Moog Inc. <http://www.moog.com>

- Designed and developed a GUI control panel with animated graphical representation of robot positioning
- Converted specifications conceptual mockups into live pages with graphical enhancements
- Defined communications protocol and workflow
- Used **PHPGD Library** to create 360 degrees images to be used to represent robot movements
- Integrated UI to backend using **AJAX** with data polling for animated dynamic page updates
- Technologies Used: OO Javascript, CSS, HTML, JQuery, PHP, Photoshop

Project: **Device Controls and GUI Programming Application** 2006 - 2008  
Berkeley Process Controls, Inc. <http://www.berkeleyprocesscontrols.com> (bought by Moog)

- Designed and developed **UI application** on a hardware device running an **embedded web server** allowing hardware devices to interact with other devices.
- Created a **GUI sequence programming** interface to allow programming device controls through UI easily
- Created graphical setup configuration wizards utilizing drag and drop and creative layouts to allow for simple configurations of complex devices
- Developed an **Visual IDE** to design interactive dynamic views for real-time device data display. Implemented in **Javascript** with **JSON**.
- Redesigned company website BerkeleyProcess.com and Soft-IO.com
- Implemented open source PayPal integrated **e-commerce store** ([www.soft-io.com](http://www.soft-io.com))
- Tecnologies Used: OO Javascript, CSS, HTML, Drupal, JQuery, JSON, RSH, Photoshop, Embedded Server Page

Project: **Hotel Reviews Site** 2006 - 2008  
TravelPost Inc. <http://www.travelpost.com> (bought by Kayak)

- Developed **live pages** from static mockups and developed all UI needs ensuring optimal performance and cross browser compatibility
- Managed Word Press blog and debugged open source bugs
- Technologies Used: CSS, HTML, Javascript, Photoshop

Project: **Search and Collaboration Application** 2004 - 2006

JetEye Inc. <http://www.jeteye.com>

- Designed and Developed a **PHP / AJAX** based searched system to index and query data for a social and collaborative search site.
- Technologies Used: PHP, MySql, CSS, HTML, Javascript, Photoshop

Project: **Audio Systems and Services Ecommerce**

2004

Phonic Inc. [Phonic](http://www.phonic.com)

- Designed and Developed entire **site from scratch** using **PHP / MySql** to manage large sets of product contents and informational display interactivity.
- Technologies Used: PHP, MySql, CSS, HTML, Javascript, Photoshop

Project: **Enterprise Financial Equity Trading Application**

2001 - 2004

Intelligent Markets, Inc. <http://www.imarkets.com>

- Designed and Developed software application for financial **enterprises** for trading equity and bonds.
- Developed web based application within a C++ window application interface.
- Participated in highly **formal design and development process** for requirement analysis, specification development, protocol design, class design, implementation, unit testing and field deployment.
- Technologies Used: OO Javascript, CSS, HTML, Photoshop

Project: **Web Video Player Engine**

2000 - 2001

Eveo Inc. <http://www.eveo.com>

- Designed and Developed web based video player engine and interface
- Redesigned entire company website
- Integrated database system to website
- Technologies Used: JSP, MySql, Javascript, CSS, HTML, Photoshop

Project: **Web Portal Service**

2000

OnePage, Inc.

- Designed and developed **JSP / MySql** based web portal software
- Developed entire interface custom user layout handling with **Javascript / CSS / HTML**
- Developed entire sign up, validation, membership handling with database integration using **JSP / MySql**
- Technologies Used: JSP, MySQL, Javascript, CSS, HTML, Photoshop

Project: **Company Website Redesign / Misc Technical Solutions**

1999 - 2000

Varsity Logistics Inc. <http://www.varsitylogistics.com>

- Redesigned entire website
- Main **technical contact** for all technical related problems
- Technologies Used: Javascript, CSS, HTML, Photoshop

Project: **ECommerce Data Filter / Manipulation / Validation**

2009

OfficeTronics Inc.

- Used PHP to auto format multiple different large sets of data to filter out duplicates, select lowest prices, validate from errors in order to submit massive data set to Government in the proper/accepted format
- This put OfficeTronics immediately online and in business
- Technologies Used: PHP

Project: **Insurance Quoting System Site**

2005

800-Insurance Inc. <http://www.800-insurance.com>

- Designed and developed entire site displaying insurance information online
- Technologies Used: Javascript, CSS, HTML, Photoshop

Project: **Real Estate Website with GUI Based Updating System** 2005

*LOH Realty and Investments Inc.* <http://www.lohrealty.com/>

- Designed and developed entire site
- Developed GUI system to allow authors to publish and update new homes for sale without any coding
- Technologies Used: PHP, MySQL, Javascript, CSS, HTML, Photoshop

Project: **Pet Hospital Website** 2005

*Madera Pet Hospital Inc.* <http://www.maderapet.com/>

- Designed and developed entire site displaying company related information
- Technologies Used: Javascript, CSS, HTML, Photoshop

Project: **Photo Gallery Engine** 2005

*Creative Frequency Inc.*

- Designed and developed an online photo gallery engine
- Technologies Used: Javascript, CSS, HTML, Photoshop

Project: **Business Leads Website** 2005

*Rich's California Business Leads* <http://www.richsdata.com/>

- Designed and developed entire site allowing users to subscribe, register and login to access paid for business leads
- Technologies Used: Javascript, CSS, HTML, Photoshop

Project: **Health and Medical Supply Website** 2005

*Eumedic Inc.* <http://www.cyberena.com/portfolio/Eumedic/>

- Designed and developed entire site for displaying product information with ability for online purchases
- Technologies Used: Javascript, CSS, HTML, Photoshop

Project: **Customer Support Service Website** 2005

*CallCrew Inc.*

- Designed and developed entire site for displaying customer support services
- Technologies Used: Javascript, CSS, HTML, Photoshop

Project: **Company Website Redesign with GUI Based Updating System** 2005

*Son Heavy Industries Inc.*

- Converted static web pages into dynamic JSP based pages
- Created CMS Update system to allow for easy site updates
- Technologies Used: JSP, MySQL, Javascript, CSS, HTML, Photoshop

Project: Graphic Design 1999

*JDR Microdevices* <http://www.jdr.com>

Project: Company Website Redesign 1998

*CompuLAN Inc.* <http://www.compulan.com/>

Project: Graphic Design 1996

*TrueSports Professional Inc.*

## COMPUTING SKILLS

Programming Languages: Expert: (master, memorized)  
Object Oriented Javascript, CSS, HTML

Highly Experienced: (can figure anything needed out)  
Object Oriented PHP, MySql, XML, XSLT

Tools & Frameworks: Photoshop, Homesite, jQuery, Drupal, CI, TortoiseSVN, ANT, CVS, SVN,  
SourceSafe, GIT, Tomcat, Apache

## MISCELLANEOUS

I hand code everything, and am highly experienced with object oriented design and principles. I also utilize open source and frameworks for optimal efficiency. I design and code with maintainability and execution efficiency, reliability and cross-browser compatibility (IE, FireFox, Safari) as the guiding principals. I have been known to solve what others have called impossible and tackle subtle problems that may not make sense technically.

Please visit <http://www.cyberena.com> for more info

## EDUCATION

University of San Francisco 1998-1999 Major: Computer Scieene