Vivien Yang
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Objective:	To find a full-time job as a web developer starting July 2008.

Education:	**B.S. Computer Science** (pending graduation in June 2008) **University of California, San Diego**

Job/Internship:	**Mindtouch Inc.** …………………………………………………….**March 2008 – June 2008** - Developed applications in C# for .NET that help to teach proper use of DekiWiki's internal libraries - Developed code that translated DekiWiki's internal remote procedure call syntax to standards-compliant XML-RPC. From this, I developed a PHP extension that can communicate with DekiWiki. - Developed the PHP end of a HTML based remote procedure call syntax that works with the DekiWiki. **NASA ISS EarthKam …………………………………………………March 2007 -- February 2008** - Redesigned the EarthKam webpage using Javascript (AJAX), XHTML, CSS, JSP, and Tomcat - Annotated Earth images retrieved from the ISS

School Projects:	**Data Structures:**
	- Hash tables, Binary Trees, Binomial Queue, AVL tree
	Compilers:
	- Wrote an interpreter in Java for a subset of the language XQuery from JFlex
	- Wrote a interpreter/code generator in Java from Oberon II to SPARC Assembly
	Computer graphics (all written in C++ using OpenGL):
	- Programmed spheres, Bezier curves, Bezier patch, rasterizer, and perspective and orthographic cameras.
	- Programmed a roller coaster simulation
	Computer games
	- CSE125: built a multiplayer RPG game in a team of 6 in 9 weeks from scratch
	  - Specialization: Game Graphic Design, 3D modeling of all objects, visuals, model optimization through model construction.
	- Undergraduate Special Project
	  - A Flash game/tutorial for a Chemistry professor for teaching purposes
	Web Client-side programming
	- Created an online/offline to-do list using HTML/CSS/XML/Javascript that can use cookies, script, and AJAX communication techniques.
	Web Server-Side Programming
	- Created a dynamic news article generation site using PHP on an Apache server with features such as: SSL and other security features, user sessions and authentication, web services, and heat maps
	User Interface
	- Created a web service called OpenPastMidnight.com which helps people identify stores that are open at odd hours in the local San Diego region. The website was created using Javascript (with AJAX), MySQL, and Ruby framework.
	Web Applications Programming
	- Creating an Enterprise-class web service that handles bartering between customers using Tomcat and Java Applications

Technical Skills:		
	Operating systems:	Windows (including Vista), UNIX (Solaris), Linux (Ubuntu, Red Hat)
	Languages:	**Advanced:** Java, PHP, XML, Javascript, HTML, CSS **Intermediate:** C#, C, C++ **Basic:** Ruby, SML, MySQL, XQuery, MIPS, SPARC
	Tools:	Eclipse, Microsoft Visual Studio, Blender, 3D Studio Max, Macromedia Flash, Photoshop, Gimp, Aptana, Apache, Tomcat
	Additional Skills:	- Adept at conversational Chinese - 10 years formal art training: **oil pastels, acrylics, color pencil, watercolor, charcoal, oil painting, ink, prints, computer art**