Software Engineer

HANS WANG

ABOUT

Software Engineer resides in Sydney area currently focused on web application development. Keen to learn state-of-the-art technologies and only aiming at providing the fast & extensible backend performance and frontend user experience.

Contact

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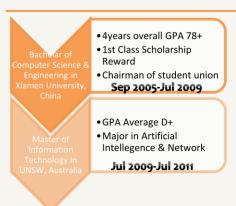- hanswang2012@gmail.com

Website
- www.hanswang.info

Blog
- www.hanswang.info/blog

Projects
- www.hanswang.info/fb-graph
- www.hanswang.info/perlIndex

EDUCATION

Bachelor of Computer Science & Engineering in Xiamen University, China
- 4years overall GPA 78+
- 1st Class Scholarship Reward
- Chairman of student union

Sep 2005-Jul 2009

Master of Information Technology in UNSW, Australia
- GPA Average D+
- Major in Artificial Intellegence & Network

Jul 2009-Jul 2011

WORK EXPERIENCE

Feb 2012 _____ **Present**

Software Engineer / Growth Ninja
FREELANCER.COM SYDNEY, NSW

Daily Task as software engineer involves Agile Development with extensive A/B test, involving skills as PHP + MySql, Javascript MVC Framwork, HTML/HTML5, Redis I/O, Nginx. Research, implement and Analyze SEO strategy as Growth Hacker.

Overview:
- *Functionality Development (Agile), A/B test implementing and Data analyzing based on monitor graphs*
- *Javascript MVC framework extensively used on building User Friendly UI/UX.*
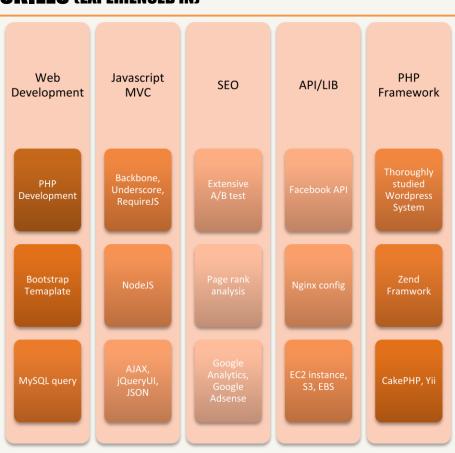- *SEO metrics monitoring, and SERP Improving on landing pages.*

Jun 2011 _____ **Aug 2011**

Research Assistants
Prof. Salil Kanhere in UNSW

Continue researching the Video Stream Project and further implementations from final semester.

SKILLS (EXPERIENCED IN)

Web Development	Javascript MVC	SEO	API/LIB	PHP Framework
PHP Development	Backbone, Underscore, RequireJS	Extensive A/B test	Facebook API	Thoroughly studied Wordpress System
Bootstrap Temaplate	NodeJS	Page rank analysis	Nginx config	Zend Framwork
MySQL query	AJAX, jQueryUI, JSON	Google Analytics, Google Adsense	EC2 instance, S3, EBS	CakePHP, Yii

Past Project

1. **Built up personal websites on AWS instance**, experienced with AWS bundle services such as EBS, S3, Rounter53 and DNS. Configured own nginx server with Drupal site, Blog site and Photo Album.

   Thoroughly studied Wordpress template system, deeply understood Boostrap Template and Drupal plugin module schema.

   Setup Google Analytics tracking for my site, and Google Adsense publishing account.

2. Worked on a self-project called **Facebook Graph**, using Facebook API to extensively explore friends' connectivity graph.

3. Familiar with **Python** module structure. Commercial experience using Python as data mining tools.

4. Familiar with **Perl scripting**, helped educational agency worked on courses data scripting.

5. Worked on **Adaptive Video streaming** Project in final semester of Master Degree, and earned HD grades. It modified the open source code of VLC player under linux system. By using C++, it certified the target concept of auto adjusting video quality based on wireless bandwidth transmission rate. And for demonstrating accurate result data, a model using shell scripts and gnuplot was built to analog the data graph.

6. Worked on an **iPhone application** development, it used Objective C in Xcode to estimate the Wi-Fi/3G network broadband based on the device location. It calculates the downloading speed by measuring data packets gap, and results are demonstrated geographically with a pin point position on Google Map.

7. Extensively used **GIT** as CI procedure, **VIM** as personal favorite IDE. Also trained programing with VS.

8. Worked on several *computer vision* projects, familiar with most *Artificial Intelligence Algorithm*. Such as SIFT and Haar-classifier feature detection, human face recognition, and 3D reconstruction using RANSAC + BundleAdjust.

9. Proficient in **Graphics Programing**. Used the JOGL(OpenGL in Java) to render 2D and 3D images. And implement animation in 3D scene. Well understand the principle of lighting and viewpoint changing in 3D scenario.

10. Well understand *Neural Network Algorithm* (BP, RBF). Worked on my graduate design about client credit estimation for bank using both BP and RBF. It is about gathering personel information about clients, and putting these personal financial information to go through NNA, then getting the estimation of clients' credibility.

11. Familiar with the **Function-oriented language**, have practiced certain amount of programing in Scala, Objective-C, and Haskell.

12. Worked on an **Online Coupon System** for a commercial digital sales website as part time job during Master Degree. It used MsSQL+JSP+Ajax, contains admin panel, frontend, and database handling.

References

1. Salil Kanhere - professor of UNSW, my previous school supervisor.
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