

HANS WANG

ABOUT

IT professional Engineer resides in Sydney area currently focused on web application development. Keen to challenge “mission impossible”, explore one’s true potentials and always be ready to dive into upcoming opportunities.

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•www.hanswang.info/blog

Projects

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

EDUCATION

Bachelor of Computer Science & Engineering
in Xiamen University, China
Sep 2005-Jul 2009

4years
overall GPA
78+

1st Class
Scholarship
Reward

Chairman of
student
union

Master of Information Technology in UNSW,
Australia
Jul 2009-Jul 2011

GPA Average D+

Major in Artificial
Intelligence &
Network

WORK EXPERIENCE

Feb 2012

Present

Software Engineer / Growth Ninja

FREELANCER.COM Limited SYDNEY, NSW

Daily Task as software engineer involves Agile Development with extensive A/B test, involving skills as PHP + MySQL, Javascript MVC Framework, 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 & plotting based on heavy queries*
- *PHP & Python MVC development along with Javascript MVC framework implementation on building User Friendly 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

- PHP Development
- Python Package(pypi)
- MySQL Optimization
- SDLC pattern design

Javascript MVC

- Backbone, Underscore
- Bootstrap HTML
- RequireJS, NodeJS
- AngularJS

SEO

- Extensive A/B test
- Page rank analysis
- Google Analytics, Google Adsense

API/LIB

- Facebook API
- Nginx config
- EC2 instance, S3, EBS

PHP Framework

- Thoroughly studied Wordpress System
- Zend Framwork
- CakePHP, Yii

MySQL

- Heavy query optimization
- Database table normalization
- Innotop Monitoring

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 Bootstrap 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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2. Quan Sun - Director of Infrastructure in Freelancer.com, my previous work supervisor
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