Name : Hong Jer Lang
Age : 26
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Result oriented leader with strong technical and theory background, and good research skills (with publications in Rank A+/A/B Conference/Journal venues).

LANGUAGE PROFICIENCY:

Fluent in English
Fluent in Chinese Mandarin
Fluent in Bahasa Malaysia

EDUCATION:

2000-2002
Cambridge GCE A-Level, TAR College

2002-2005
BSc Computer Science (Hons), University of Nottingham, **1st class honours**

2007-2010
PhD Information Technology, Monash University, **PhD Thesis pass without further amendments, rated excellent by examiners**

HONORS AND AWARDS:

1. Best Student Award, Year 2000, SMK Hulu Kelang (Hulu Kelang Secondary High School)
2. Best Subject Award for Physics, Chemistry, Biology, Mathematics, Additional Mathematics, History, Year 2000, SMK Hulu Kelang (Hulu Kelang Secondary High School)
3. High Distinction for Australian National Chemistry Quiz, Junior Level
4. A score of 800/800 for Graduate Record Examination (GRE) General Exam Quantitative Section
5. Best Student, School of Computer Science, University of Nottingham
6. Best Software Engineering Group Project, University of Nottingham

7. Best Dissertation, University of Nottingham
8. Scholarship holder for GCE A Level, TAR College, Year 2000
9. Scholarship holder for PhD, Monash University, Year 2006
10. **PhD thesis rated as excellent by examiners, without any further amendments**
11. **Recipient for ACM SAC Student Travel Award**
12. **Recipient for IEEE SMC Student Travel Grant**
13. **Outstanding Intellectual of the 21st Century Award, International Biographical Centre, Cambridge**
14. **Listed in Who's Who in the World 2011**

PROFESSIONAL ACTIVITIES:

1. Program Committee Member, IEEE International Conference on Computer Sciences and Convergence Information Technology
2. Program Committee Member, IEEE International Conference on Information Sciences
3. Program Committee Member, IEEE International Conference on New Trends in Information Science and Service Science
4. Program Committee Member, IEEE International Conference on Networked Computing and Advanced Information Management
5. Program Committee Member, IEEE International Conference on Networked Computing
6. Program Committee Member, IEEE International Conference on Advanced Information Management and Service
7. Program Committee Member, IEEE International Conference on Computational Intelligence and Communication Networks
8. Program Committee Member, IEEE International Conference on Communication Systems and Network Technologies
9. Technical Program Committee Member, IEEE International Conference on Wireless Communications, Networking and Mobile Computing
10. Reviewer, IEEE Transaction on Systems, Man, and Cybernetics
11. Reviewer, IEEE Computer Software and Applications Conference
12. Technical Editor, International Journal of Convergence Information Technology
13. Keynote Speaker, IEEE International Conference on Wireless Communications, Networking and Mobile Computing
14. Examiner for PhD Thesis (2 PhD thesis)

PROFESSIONAL MEMBERSHIPS:

1. **Member, American Chemical Society**
2. ACM Member
3. IEEE Member
4. ACM Special Interest Group on Applied Computing (SIGAPP) Member
5. IEEE Systems, Man and Cybernetics Member
6. IEEE Communication Society Member
7. Centre for Research in Intelligent Systems (CRIS) Research Group Member

8. International Association of Computer Science and Information Technology (IACSIT) Member

SUMMARY OF QUALIFICATIONS:

Well trained in computer related fields. Very experience in project implementation, design, and development. Very strong interpersonal and leadership skills. Knowledgeable in various programming languages, networking, database, artificial intelligence, enterprise systems, and data mining.

LEADERSHIP SKILLS:

2003
Undergraduate Student Representative Year 1 (University of Nottingham)
2004
Undergraduate Student Representative Year 2 (University of Nottingham)
2005
Undergraduate Student Representative Year 3 (University of Nottingham)

2006
Postgraduate Student Representative Year 1 (Monash University)
2007
Postgraduate Student Representative Year 2 (Monash University)
2008
Postgraduate Student Representative Year 3 (Monash University)

2004
Project team leader for software engineering

2007-2008
Treasurer for Monash University Postgraduate Association (MUPA)

TECHNICAL EXPERTISE:

Software:	MS Office 2007
Programming:	Java (J2SE, J2EE, J2ME), C/C++/VB/C#, .NET (ASP, Compact Framework), PHP, Graphics (Java3D, OpenGL), Perl, Python, Scripting (JavaScript/AJAX), Web Design (HTML, DHTML, XHTML, XML, Flash, CSS, DTD, Schema), Procedural (C, Haskell), MIPS, Shell Programming
Operating Systems:	Microsoft Windows XP, Microsoft Windows Vista, Microsoft Windows 7, Linux, UNIX
Database:	My SQL, Microsoft Access, SQL Server, Postgre SQL, DB2

| **Protocols:** | TCP/IP, UDP, FTP, RIP, DHCP, SSH, HTTP, SHTTP, IPSec, SOAP |

PROFESSIONAL EXPERIENCE:

2004
Project team leader for software engineering (J5 Java Editor).
http://geocities.com/j5editor/

2005
Church web site development (Chinese Methodist Hokkien Church KL)
http://cmhckl.org/cn/index.html

2006
Church web site development (KL Wesley Methodist Church)
http://www.klwesley.org

2006-2009

Tutor for Monash University

Subjects taught: Semester 1, 2006

1. MAT1097 Quantitative Analysis
2. FIT1002 Computer Programming

Semester 2, 2006

1. CSE1434 Java Applet
2. FIT1001 Computer Systems
3. FIT1002 Computer Programming

Semester 1, 2007

1. FIT1001 Computer Systems
2. FIT1002 Computer Programming

Semester 2, 2007

1. FIT1001 Computer Systems
2. CSE2302 Operating System
3. FIT3046 Operating Environments

Semester 1, 2008

1. FIT1007 Computer Programming 2
2. FIT3011 Enterprise Programming

Semester 2, 2008

1. FIT1007 Computer Programming 2
2. CSE3313 Computer Graphics

Semester 1, 2009

1. FIT1011 Web System 1
2. FIT3021 Infrastructure for Electronic Commerce
3. FIT3077 Software Engineering, Architecture and Design

2009-Present

Lecturer for Monash University

Subjects taught: Semester 2, 2009

1. FIT3027 Mobile Middleware

Semester 1, 2010

1. FIT3011 Enterprise Programming
2. FIT2029 Web Programming

Semester 2, 2010

1. FIT1008 Computer Science
2. FIT3043 Web System 3

Semester 1, 2011

1. FIT3011 Enterprise Programming
2. FIT2029 Web Programming

2008
Web site analysis, School of IT, Monash University

2009
Research Assistant

2010-2011
Researcher for E-Science Project

PERSONAL PROJECTS:

2003/2004
J5 Java Editor
www.geocities.com/j5editor

2004/2005
David War Game
www.geocities.com/davidwargame

RESEARCH COLLABORATIONS:

1. Computing Lab, Oxford University, UK
2. School of Computer and Communication Science, EPFL, Switzerland

PUBLICATIONS:

Books

1. To be published, Information Extraction for Search Engines, Lambert Academic Publishing (LAP)
2. To be published, Hydrologic Analysis and Design, an approach based on Malaysian Rainfall and Runoff

Journal Papers

1. Jer Lang Hong, Eugene Siew, Simon Egerton, "Information Extraction for Search Engines using Fast Heuristic Techniques," Data and Knowledge Engineering, DKE Journal, Vol 69, Issue 2, pg 169-196, Feb 2010. **(Rank B Journal with impact factor of 1.745, 4th most downloaded paper (Jan-Mar 2010), 14th most downloaded paper (Apr-Jun 2010), 20th most downloaded paper (Jul-Sep 2010), 10th most downloaded paper (Oct 2009 - Sep 2010), Rank 38 in Information Systems field, Citation: 8)**
2. Jer Lang Hong, "Data Extraction for Deep Web using WordNet, "IEEE Transactions on Systems, Man and Cybernetics **(Rank B Journal with impact factor of 2.016, Rank 6 in Cybernetics field)**

3. Jer Lang Hong, "VisualDOM- Data Extraction using Visual Cue and DOM Tree, "Knowledge and Information System Journal **(Rank B Journal with impact factor of 2.211, Rank 24 in Information Systems field)**
4. Jer Lang Hong, Fariza Fauzi, "Data Extraction using Tree Matching Algorithm", Majlesi Journal of Electrical Engineering **(by invitation)**, Vol 4 No 2 pg 43-55, 2010

Conference Papers

1. Fariza Fauzi, Jer Lang Hong, Mohammed Belkhatir, "Webpage Segmentation for Extracting Images and Their Surrounding Contextual Information", ACM International Conference on Multimedia, MM 2009, 19 to 23 Oct 2009, Beijing, China **(Rank A+ Conference with EIC impact factor of 0.97, Citation: 5)**
2. Jer Lang Hong, Eugene Siew, Simon Egerton, "WMS- Extracting Multiple Sections Data Records from Search Engine Results Pages", ACM Symposium of Applied Computing, SAC 2010, 22 - 26 March 2010, Sierre, Switzerland **(Rank B Conference with EIC impact factor of 0.85, won a Student Travel Award, Citation: 5)**
3. Jer Lang Hong, "Deep Web Data Extraction", IEEE International Conference on Systems, Man, and Cybernetics, SMC 2010, Oct 10-13 2010 Instanbul, Turkey **(Rank B Conference with EIC impact factor of 0.55, won a Student Travel Grant, Citation: 1)**
4. Jer Lang Hong, Eugene Siew, Simon Egerton, "DTM- Extracting Data Records from Search Engine Results Page using Tree Matching Algorithm," IEEE International Conference on SOft Computing and PAttern Recognition, SoCPAR 2009, 4 to 7 Dec 2009, Melaka, Malaysia. **(Paper invited for a journal publication, Citation: 4)**
5. Jer Lang Hong, Eugene Siew, Simon Egerton, "ViWER- Data Extraction for Search Engine Results Pages using Visual Cue and DOM Tree," IEEE International Conference on Information Retrieval and Knowledge Management, CAMP 2010, 16-18 March 2010, Shah Alam, Malaysia. **(Paper invited for a journal publication, Citation: 1)**
6. Jer Lang Hong, Eugene Siew, Simon Egerton, "OntoWrap- Extracting Data Records from Search Engine Results Pages Using Ontological Technique," IEEE International Conference on Information Retrieval and Knowledge Management, CAMP 2010, 16-18 March 2010, Shah Alam, Malaysia. **(Paper invited for a journal publication, Citation: 1)**
7. Jer Lang Hong, Eugene Siew, Simon Egerton, "Visual Data Alignment for Search Engine Results Pages", IEEE International Conference on Computer Research and Development, ICCRD 2010, May 7-10 2010 Kuala Lumpur, Malaysia **(Citation: 1)**
8. Jer Lang Hong, Eugene Siew, Simon Egerton, "Aligning Data Records Using WordNet", IEEE International Conference on Computer Research and Development, ICCRD 2010, May 7-10 2010 Kuala Lumpur, Malaysia **(Citation: 1)**
9. Jer Lang Hong, Eugene Siew, Simon Egerton, "Data Extraction for Search Engine Result Pages", 1st Malaysian Joint Conference of Artificial Intelligence, MJCAI 2009, 14-16 July 2009, Kuala Lumpur, Malaysia
10. Submitted, Jer Lang Hong, Data Extraction for Search Engines using Safe Matching, IEEE International Conference on Systems, Man, and Cybernetics, SMC 2011

11. Submitted, Jer Lang Hong, Data Labeling using WordNet, IEEE International Conference on Systems, Man, and Cybernetics, SMC 2011

COMMUNITY SERVICES:

1. Student volunteer for various Monash ceremonies/events
2. Volunteer worker for Street Ministry feeding program, KL Wesley Church
3. Volunteer worker for Christian Social Outreach, KL Wesley Church
4. Educator for foreign workers, KL Wesley Church