

Lianhua CHI

- CONTACT** Level 19, 60 City Rd, Southbank Email: lianhuac@au1.ibm.com
IBM Research IBM Homepage: <http://goo.gl/YxPhOu>
Victoria, 3006, Australia Personal Homepage: <https://lianhua1221.github.io/>
- EDUCATION** **University of Technology Sydney**, Sydney, NSW, Australia
Doctor of Philosophy (Information Technology - Machine Learning) **Feb 2013 – Aug 2015**
Achievements:
 - The Best Paper Award in the 17th Pacific-Asia Conference on Knowledge Discovery and Data Mining in 2013
 - The ARC Discovery Scholarship Award in 2013**Huazhong University of Science and Technology**, Wuhan, Hubei, China
Doctor of Philosophy (Computer Software and Theory - Data Mining) **Sep 2009 – Sep 2015**
Achievements:
 - Outstanding Graduate Student Award in 2010**Huazhong University of Science and Technology**, Wuhan, Hubei, China
Master Degree Candidate (Computer Software and Theory - Database) **Sep 2008 – Jul 2009**
Achievements:
 - Social Welfare Award in 2009**Wuhan University of Science and Technology**, Wuhan, Hubei, China
Bachelor of Engineering (Computer Science and Technology) **Sep 2004 – Jul 2008**
Achievements:
 - Overall GPA: 3.58/4.0
 - Outstanding Graduates Award in 2008
 - Certified Software Design Engineer in 2007
 - Excellent Student Pacesetter in 2005**Wuhan University of Science and Technology**, Wuhan, Hubei, China
Bachelor of Literature (English) **Sep 2005 – Jul 2008**
- WORK EXPERIENCE** **IBM Research**, Melbourne, Victoria, Australia
Postdoctoral Research Scientist **May 2015 – Current**
Responsibilities:
 - Developing and evaluating data correlation analytics on open source datasets from different sectors
 - Analysing big data in social media and evaluating event impacts on time series.
 - Optimising hospital resource management with machine learning techniques and SPSS*Achievements:*
 - Was invited to attend the 4th Heidelberg Laureate Forum as the one of top 200 most accomplished minds of mathematics and computer science
 - Received Romberg Grant Award for participating the 4th Heidelberg Laureate Forum
 - Received the "put the client first" recognition in IBM Recognition Center**University of New South Wales**, Sydney, NSW, Australia
Data Specialist **Apr 2015– May 2015**
Responsibilities:
 - Exploration, interpretation and visualisation of Massive Open Online Courses (MOOC) data

University of Technology Sydney, Sydney, NSW, Australia

Visiting Researcher

Mar 2012– Feb 2013

Responsibilities:

- Collaborated with my colleagues and supervisors to solve existing problems and develop new theories on big data analysis

DaMeng Database Co., Ltd., Wuhan, Hubei, China

Software Engineer

Jul 2008– Mar 2011

Responsibilities:

- Programmed the front-end using PHP
- Designed the OLAP system interface
- Programmed OLAP application using Java, developing the data warehouse product
- Managed and designed data warehouse, processing a variety of large-scale data from different data platforms

LEADERSHIP AND
VOLUNTEER
ACTIVITIES

HUST Alumni Association in Australia, Sydney, NSW, Australia

President

May 2014 – Sep 2015

Responsibilities:

- Managed a highly dedicated executive team and oversaw overall operations and events
- Coordinated meetings necessary to implement plans and strategies

Cancer Council NSW, Sydney, NSW, Australia

Database Administration

Mar 2014 – Apr 2015

Responsibilities:

- Managed the employee and volunteer database
- Designed the Christmas gift wrapping volunteer database

Australasian Computer Science Week (ACSW) 2015, Sydney, NSW, Australia

Student Volunteer

Jan 2015

Responsibilities:

- Checked in pre-registered conference attendees
- Answered general conference questions and gave directions

Mustard Seed Uniting Church, Sydney, NSW, Australia

Playtime Volunteer

Jan 2015 – Mar 2015

Responsibilities:

- Interacted with carers and children, assisted them and talked to them
- Encouraged carers in their parenting skills and assisted children to socialise

SKILLS

- Critical and creative thinking
- Experienced data analyst specialised in hash-based methods and graph stream mining
- Proficient in C; Experienced in C++, Java, Python, R and Matlab
- HPC cluster coding experience

EXTRA-
CURRICULAR
ACTIVITIES

- Dancing
- Playing pingpong, badminton
- Short, fast running and long-distance running

REFEREES

Available upon request