

# Dr Chunlei Chang

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## PERSONAL PARTICULARS

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**Applicant:** Chunlei Chang    **Mobile:** 0469-939-407    **Email:** changchunlei\_AT\_gmail dot com  
**Language:** English (Fluent), Chinese (Mother tongue)    **Address:** 900 Dandenong Rd, Caulfield East VIC 3145, Australia

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## EDUCATION

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**Monash University** Feb 2018  
Doctor of Philosophy - *Information Visualisation (Monash University Research Scholarship & ANZ sponsorship)*

**Monash University** Jul 2014  
Master of Information Technology with Honours (*Monash IT Merit Scholarship awarded*) (*Thesis grade: 87%*)

**Beijing University of Posts and Telecommunications** Sep 2007  
Bachelor Degree in Computer Science (*Grade point average: 83%*)

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## RESEARCH

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***PhD study in Information Visualisation*** Sept 2014 – Feb 2018  
***Monash University***

My PhD study focuses on “Perceptually Complementary Visualisations to Facilitate Understanding of Complex Data”. The current use of single visualisations is not sufficient to facilitate understanding of complex data. A single visual representation can convey particular features of a dataset, but may only provide a partial view, or may have limitations in what it can represent. To address this issue, I proposed a new method that is using perceptually complementary visualisations to facilitate understanding of complex data.

***Honours Research Project*** Jul 2013 – Jul 2014  
***Monash University & ANZ – Project: SpendWise – Visual analytics techniques for ANZ spend data***

- My honours research focuses on applying visualisation techniques to analyse ANZ spend data. This research aims to offer a novel interface to encourage analysts to gain insights into the data in a collaborative environment. The project was written with HTML5, CSS3, JavaScript, and C#.

***Product Planner Intern*** Nov 2012 – March 2013  
***Microsoft China Innovation Group – Project: MI-City (Microsoft Intelligent City project)***

- Conducted nationwide research with IDC and analysis of customer requirements, emerging trends, and market opportunities to impact MI-City product development and provided actionable product recommendations for key decisions that help grow the business and satisfy our customers.
  - Synthesized large amounts of information into crisp recommendations to Windows Azure-based city solution.
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## PUBLICATIONS

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- Chang, C., Bach, B., Dwyer T., Marriott, K. (2017, May). Evaluating Perceptually Complementary Views for Network Exploration Tasks. *Proceedings of the 2017 ACM CHI Conference on Human Factors in Computing Systems* P1397-1407 <http://dl.acm.org/citation.cfm?id=3026024>
  - Chang, C., Dwyer T., Marriott, K. (2018, May). An Evaluation of Perceptually Complementary Views for Multivariate Data. *Proceedings of the 2018 The 11th IEEE Pacific Visualization Symposium (PacificVis 2018)* <http://doi.ieeecomputersociety.org/10.1109/PacificVis.2018.00033>
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## EMPLOYMENT

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***Managing Director (Entrepreneur)*** Jul 2017 – Now  
***Bowen Chang Pty Ltd (Australia)***

***Data Scientist*** Sept 2014 – Jun 2018  
***ANZ - Australia and New Zealand Banking Group Limited (Australia)***

- Developing prototypes and delivering various visualisation techniques to solve business problems.
- Visualising and analysing data with state-of-art techniques (HTML5, D3.js, C#, Graph DB – Neo4j).
- Reporting to Data Analytics & Enterprise Architect to visualise its large, complex, homogenous, and multivariate data.

***Software Developer & IT Manager*** Feb 2013 – Now  
***John Wurzel & Co Pty Ltd (Australia)***

- Developed numerous cloud services and applications to assist its business process.
- Developed and managed e-commerce channels which increase new revenue of about AUD \$500,000.00 annually.
- Reporting to managing director, working closely with other teams to maintain its complex IT system, and utilising a selection of IT contractors to meet the ICT needs of its three branches.
- Supporting diverse technical solutions built with multiple technologies, such as Active Directory, Hyper-V, Group policy, VPN, Deployment Service, Azure cloud services, etc. Maintaining two company websites.

**Development Lead**

Nov 2012 – Mar 2013

**Logicdesign (Beijing) Co, Ltd.**

- Architected Windows 8 store apps in whole product Lifecycle (Win8 XAML apps + Azure+ TFS cloud)
- Developed Windows 8 apps (ILoveWindows, movies Todo) – 2 of top 10 downloads in Windows Store (China).

**Program Manager**

Jul 2007 – Jun 2012

**Windows Planning & PC International team**

- Served Program Manager on Windows 8 hardware driver engagement. Supported top 20 Chinese ISVs and IHVs in developing and submitting their Windows Drivers before the Windows 8 release.
- Served as PM for WinHEC China 2008 – Microsoft’s Hardware Conference with about 5 million (CNY) expenses. Collaborated with headquarters, internal teams, and vendor companies to host the biggest WinHEC in Asia. Invited and managed event sponsors, with more than one million CNY sponsorship income.
- Provided technical support to IHV partners to pass Microsoft hardware testing. Managed lab testing process.
- Delivered a variety of training resources, including MSDN webcast, weekly newsletters and WHQL resource kit.
- MSDN Webcast speaker: Windows Logo Program series.
- Test lead role for Windows Genuine Checking Tools and Bing Dynamic Desktop. Designed and maintained test plan, schedule and resources of the whole team. Developed and maintained team development infrastructure and test bed.
- Proposed and developed automation tools for the US team and Service Alert System (automated system to monitor service changes of eBanks), Microsoft VoIP phone system.

**Intern – Microsoft (China) Windows Hardware Quality Lab (WHQL)**

Oct 2006 – Jul 2007

**AWARDS AND HONOURS**

- Postgraduate Publications Award Mar 2018
- Monash University - ANZ Research scholarship (\$ 26,200 AUD Annually \* 3.5 Years) Aug 2014
- Monash University - Faculty of IT Research scholarship (\$ 32,900 AUD Annually \* 4 Years) Aug 2014
- Monash University - Faculty of IT merit scholarship (\$ 10,000 AUD) Jul 2012
- Turbo Linux Certified Engineer; Jul 2006
- Microsoft Certified System Engineer (MCSE); May 2006

**STANDARD TESTS**

Graduate Record Examinations (GRE) (06/11/2011) Verbal: 460 Quantitative: 800 Academic Writing: 3.0  
 International English Language Testing System (IELTS) (10/12/2016) Total: 7.5 out of 9

**TECHNICAL SKILLS**

Programming Language: C++; C#; Java; Python; HTML5; CSS3; JavaScript; D3.js; CSS; PowerShell; XAML;  
 Specialisations: Software Engineering; Distributed and mobile systems; Internet and web application development;

**OTHER ACTIVITIES**

- UN Volunteer; 2008 – Current
- TED & TEDxChina Associate; 2010 – Current
- Member of Toastmaster International club 2009 – Current
- Member of Australian Computer Society – ACS 2009 – Current
- Founder & President of Athena Toastmasters International Club (2 terms); 2010
- Main organizer of Windows Hardware Engineering Conference China 2008 2008

**REFEREES**

Available upon Request