

Haohui LU

Mobile: +61 430 189 408 | Email: haohui.lu@sydney.edu.au

Education

University of Sydney, Australia

Doctor of Philosophy

July 2020 -

University of Sydney, Australia

Master of Data Science

Feb 2020 – July 2020 (Transferred to Higher Degree Research)

University of Sydney, Australia

Graduate Certificate in Data Science | Distinction

Feb 2019 - Nov 2019

University of Sydney, Australia

Master of Project Management - Project Economic and Scheduling Control | Distinction

Mar 2012 - Nov 2012

University of Sydney, Australia

Bachelor of Commerce - Operations Management and Decision Science | Credit

Mar 2009 - Nov 2011

Professional Qualification

- SAS Certified Specialist: Base Programming Using SAS 9.4 – score of 882 out of 1000
- SAS Certified Advanced Programmer for SAS 9 – score of 90%
- RG146 Tier 2 Personal Advice Accreditation

Work Experiences

The University of Sydney

Casual Academic (July 2020 -)

- Tutoring and marking for PMGT6867, Quantitative Methods: Project Management

Peer Support Advisor (Jun 2021 -)

- Assist students with a range of enquiries, ranging from what support services the university offers to what social activities a student can join

Australian and New Zealand Banking Group (Sydney, Australia)

Personal Banker, Accredited Lender (July 2016 – April 2020)

- Provide a full range of professional sales advice to help customers achieve their financial needs and goals. Explain lending products' fees, interest and current campaigns to customer, ensuring that the products meeting customers' needs.
- Actively seek opportunities to make appropriate customer referrals to accredited specialists. Contribute to overall branch profitability, achieving and seeking to outperform against targets.
- Tier 2 Personal Advice, Personal lending and small business accreditation.

Dynamic Payment Pty Ltd (Sydney, Australia)

Project Administrator/ Business Analyst (August 2012 – July 2016)

- Identifying fraudulent activity and taking the necessary action for escalation and analysed unstructured and structured data to build behaviour models and predictive model.
- Contributes essential administrative support to coordinate a technical team. Revised business performance metrics in collaboration with IT, which increased transparency on sales key factors.
- Duties of a project administrator include all aspects of facilitating a project: scheduling meeting times and locations, taking meeting minutes, enhanced business data visualisation for the weekly presentations and arranging training for staff.

The University of Sydney

Excel Helper (March 2011 - Dec 2011)

- Lab and workshop demonstrating.
- Assist students during computer labs use the Excel program and in using that program to answer the questions for the lab.

Key Skills

- General-purpose programming languages (Python)
- Statistical / Mathematical packages (R, Matlab, SAS, Stata, SPSS and Excel VBA)
- Relational databases (MySQL, Postgres, SQL Server, etc)
- BI / data visualisation tools (Power BI, Tableau, etc)
- Language: English (professional proficiency), Cantonese and Mandarin (native)

Publications (First author only)

1. Lu, H., Uddin, S., Hajati, F. et al. A patient network-based machine learning model for disease prediction: The case of type 2 diabetes mellitus. Appl Intell (2021). <https://doi.org/10.1007/s10489-021-02533-w>
2. Lu, H., Uddin, S. A disease network-based recommender system framework for predictive risk modelling of chronic diseases and their comorbidities. Appl Intell (2021). <https://doi.org/10.1007/s10489-021-02963-6>
3. Lu, H., Uddin, S. A weighted patient network-based framework for predicting chronic diseases using graph neural networks. Scientific reports (2021). <https://doi.org/10.1038/s41598-021-01964-2>