

HAOHUI LU

lukhofai@gmail.com

EDUCATION

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| The University of Sydney, Australia
Doctor of Philosophy
<i>Research Areas: Data Science, Health Informatics</i> | <i>2020 – 2024</i> |
| The University of Sydney, Australia
Graduate Certificate in Data Science | <i>2019 – 2019</i> |
| The University of Sydney, Australia
Master of Project Management
<i>Specialisation: Project Economics and Scheduling Management</i> | <i>2012 – 2012</i> |
| The University of Sydney, Australia
Bachelor of Commerce
<i>Major: Operations Management and Decision Sciences (Business Analytics)</i> | <i>2008 – 2011</i> |

WORK EXPERIENCE

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| Research Associate in Generative Artificial Intelligence
<i>The University of Sydney</i> | July 2024 – Present
<i>Sydney, Australia</i> |
| <ul style="list-style-type: none">Managed the end-to-end development and training of AI models, driving operational efficiency and quality through comprehensive analysis of project data and business scenarios.Led a faculty-funded project on child undernutrition, optimizing processes and enhancing collaboration with cross-functional international teams, including policymakers in Indonesia.Integrated Large Language Models (LLMs) into web-based GUIs, improving data interaction and visualization. | |
| Research Assistant
<i>The University of Sydney</i> | October 2022 – June 2024
<i>Sydney, Australia</i> |
| <ul style="list-style-type: none">Supported multidisciplinary experts in National Health and Medical Research Council (NHMRC) Ideas Grant project.Spearheaded data preprocessing and analysis for Bilateral Investment Treaties (BITs) using Natural Language Processing (NLP), enhancing treaty analysis with a custom-built LLM featuring interactive querying capabilities.Developed and maintained dashboards, utilizing advanced data visualization tools to ensure clear communication of complex data insights. | |
| Doctoral Researcher
<i>The University of Sydney</i> | July 2020 – December 2023
<i>Sydney, Australia</i> |
| <ul style="list-style-type: none">Conducted research on chronic disease prediction using graph machine learning, achieving improved accuracy in identifying high-risk patients.Managed large datasets using SQL and Python, employing machine learning techniques to derive actionable insights.Created interactive dashboards with Tableau, PowerBI, and Python, facilitating data-driven decision-making. | |

Casual Academic*The University of Sydney*

July 2020 – Present

Sydney, Australia

- Delivered lectures and tutorials, and provided assessment marking for courses in data science, project management, and business analytics.

Peer Support Advisor/Senior Peer Support Advisor*The University of Sydney*

June 2021 – June 2023

Sydney, Australia

- Guided students in navigating university support services and engaging in social activities, contributing to a positive student experience.
- Conducted data analysis on student engagement, leading to actionable recommendations for enhancing student life programs.

Personal Banker*Australian and New Zealand Banking Group (ANZ Bank)*

July 2016 – April 2020

Sydney, Australia

- Provided comprehensive financial advice, tailoring products to meet individual customer needs, with a focus on lending and small business services.
- Accredited in Tier 2 Personal Advice, Personal Lending, and Small Business, ensuring adherence to industry standards.

Project Administrator/Business Analyst*Dynamic Payment Pty Ltd*

August 2012 – July 2016

Sydney, Australia

- Led initiatives to detect and mitigate fraudulent activities, resulting in enhanced security and business growth during peak periods.
- Analyzed sales data to develop predictive models and interactive dashboards, significantly improving business transparency and decision-making processes.
- Provided essential administrative support to technical teams, including scheduling, minute-taking, and training coordination, contributing to project success.

HONOURS AND AWARDS

- Feedback for Teaching Student Survey Award 2024 - The University of Sydney
- Paulette Isabel Jones Career Award 2023 - The University of Sydney
- Postgraduate Research Support Scheme 2022 - The University of Sydney

CERTIFICATES

- SAS Certified Specialist: Base Programming Using SAS 9.4
- SAS Certified Advanced Programmer for SAS 9