

Position Description – Research Fellow in Digital Health Design

Updated 22 July 2025

POSITION DETAILS

College	College of Medicine and Public Health
Organisational Unit	Digital Health Research Lab
Supervisor	Professor, Digital Health
Classification	Research Academic Level B
Employment Type	Fixed-term, part-time (0.4FTE) available for 6 months

POSITION SUMMARY

The Research Fellow will, under the broad direction of the Chief Investigator, undertake research in stakeholder engagement methodology for large language model (LLM) agents design within digital health interventions. In this context, stakeholders are defined as subject matter experts—such as clinicians, healthcare administrators, and patient advocates—who possess deep domain knowledge but may not have technical expertise.

Working with the Chief Investigators and research teams, the Research Fellow will contribute to the project design and implementation, the analysis of data and the preparation of manuscripts for publishing. This includes designing a structured process that actively involves these stakeholders at every stage of the LLM agent design lifecycle, while ensuring alignment with clinical needs, user expectations, and technical feasibility.

The Research Fellow will actively report on new and current research related to the research program, through generation of high-quality publications and conference presentations, facilitate workshops, gather and refine data, and support the development of several LLM agents for two digital health interventions in collaboration with respective research teams. Additionally, the Fellow will evaluate the engagement process, with the resulting methodology positioned for adoption in future digital health projects and will contribute to the preparation of applications for externally funded research funding.

UNIVERSITY EXPECTATIONS AND VALUES

All staff at Flinders are responsible for understanding their obligations and responsibilities as set out in the University's code of conduct and are expected to:

- demonstrate commitment to the University's values of Integrity, Courage, Innovation, Excellence and the underlying ethos of being Student Centred;
- contribute to the efficient and effective functioning of the team or work unit in order to meet the University's objectives. This includes demonstrating appropriate and professional workplace behaviours, providing assistance to team members if required and undertaking other key responsibilities or activities as directed by one's supervisor;
- promote and support an inclusive workplace culture which values diversity and embraces the principles of equal opportunity;

- perform their responsibilities in a manner which reflects and responds to continuous improvement; and
- familiarise themselves and comply with the University's Work Health and Safety, Injury Management and Equal Opportunity policies.

A Nationally Coordinated Criminal History Check (NCCHC) which is satisfactory to the University will be required by Flinders University before the successful applicant can commence in this position.

Staff working in a health care setting are strongly recommended to be fully vaccinated against COVID in line with the SA Health policy.

KEY POSITION RESPONSIBILITIES

The Research Fellow in Digital Health is accountable for:

- Actively contributing to the research project by collaborating with the Research Team to successfully deliver project milestones and Key Performance Indicators.
- Independently contributing to the planning and execution of research by offering new and innovative ideas, reviewing relevant literature and other sources of information, actively participating in the production of data, contributing to the writing and editing of grant applications and attending seminars, meetings and conferences
- Playing a lead role in coordinating, planning and executing the project tasks required to collaborate with industry partners.
- Independently contributing to ethical, high quality and innovative research and evaluation through activities such as scholarship, publishing in recognised high quality journals and assisting the preparation and submission of bids for external research funding.
- Supervision of honours and post graduate research projects.
- Establishing and maintaining collaborations within the University, and at State, national and international levels in order to improve research outputs, patents and publications.
- Actively contribute to the development and refinement a stakeholder engagement protocol that is user-friendly and adaptable.
- Create support tools such as session guides, feedback forms, checklists, and summary documents.
- Lead and facilitate co-design workshops, interviews, and engagement activities with clinicians, patients, technical teams, and other stakeholders.
- Independently contribute to the collection, analysis, and interpretation of qualitative and quantitative data on engagement processes and outcomes.
- Evaluate the effectiveness of the stakeholder engagement methodology using participant feedback and project impact.
- Actively contribute to the preparation of high-quality reports, presentations, and manuscripts for academic and practical dissemination.
- Collaborate with interdisciplinary team members to ensure smooth integration of stakeholder insights into LLM agent development.
- Coordinate with geographically dispersed research teams
- Some out of hours work (including weekends) as well as rural SA, interstate and overseas travel, may be required.

Any other responsibilities in line with the level of the position as assigned by the Supervisor and/or the University.

KEY POSITION CAPABILITIES

- Completion of a PhD in Digital Health/Public Health/Health services or any related areas.
- Demonstrated research experience in terms of publications in high quality publications, attraction of external competitive grants and presentations at a national and/or international level in public health/digital health.
- Demonstrated experience in qualitative and quantitative research methodology.
- Demonstrated experience in co-design or user-centred design preferably in healthcare or digital health.
- Demonstrated experience delivering project targets on time.
- Demonstrated ability to plan and execute data collection and analysis.
- Demonstrated well-developed interpersonal skills and experience in collaborating and engaging with diverse stakeholders and industry partners.
- Demonstrated ability to critically review the literature in relevant fields.
- Demonstrated experience to undertake collaborative research and establish and maintain effective relationships with staff and industry.
- Demonstrated excellent oral and written communication skills in an academic environment.
- Demonstrated ability to bring together individuals from geographically dispersed locations for effective group activities