




# Rob MacDonald

## Researcher and Manager

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## Education

### Georgia Institute of Technology

Masters of Human-Computer Interaction  
Expected Graduation May 2023

### University of Newcastle (Australia)

Bachelor of Science Honours in Psychology  
Graduated December 2011

### University of South Australia

Bachelor of Psychology  
Graduated April 2009

## Skills

### Certificate Qualifications

Work Health and Safety Advisor  
Work Health and Safety Coordinator  
Public Safety Advisor  
Mental Health and Counselling  
Suicide Prevention  
Training Development  
Instructional Technique  
Workplace Assessor  
Writing and Record Keeping  
Fire Warden  
First Aid  
Cultural Awareness

### Software

R Studio  
Figma  
Qualtrics  
Miro  
SPSS  
Microsoft Office Suite  
Military Software

### Proficiencies

Military Simulation Pilot  
Quantitative Research  
Statistical Analysis  
Qualitative Research  
Interviewing  
Personnel Management  
Mental Health Support  
User-Centred Design

## Awards

### Military Awards

Australian Active Service Medal  
Australian Defence Medal  
Afghanistan Medal  
Defence Long Service Medal  
NATO Medal  
Personal Attributes Award

### Academic Awards

AAA Veteran Exchange Scholarship 2020  
Deans Merit List University SA 2008

## Profile

I am a Manager, Supervisor and Trainer with an interest in Psychology based Human Computer Interaction research. I am committed to and have experience in facilitating successful outcomes in a variety of research projects. Able to work in complex environments and meet deadlines while maintaining healthy workplace relations. In my private life I am a bit of a nerd who enjoys humour, long distance running, D&D gaming, cats, and spending time with my family.

## Experience

### Georgia Tech Graduate Research Assistant

2021-Present

Assisting in interviewing and researching the teaching of ethics in Computer science at Brown University and Georgia Tech. Developing a platform to support Teaching Assistants in Computer Ethics classes.

### Jane Franklin Hall Dean of Students

2016-2021

Managed at-risk students and implemented appropriate support strategies. Lead a team of residential staff and conducted case management of individual students regarding wellbeing, academic progress, and support. Reviewed and developed student support and pastoral care policies, procedures, and reporting processes. Initiated preventative health and wellbeing programs and oversaw the Academic Development Program.

### Royal Australian Air Force Air Surveillance and Intelligence

2001-2016

Used sophisticated electronic equipment to detect, classify and identify aircraft, surface vessels and Space objects within specified areas of operations. Conducted operations within Australian airspace and its approaches for the detection of illegal and irregular incursions into Australian territory. Established and maintained up-to-date and complete tactical pictures of air, space and surface activities using a network of radars and intelligence systems on operational deployments.

### Families of Military Research Foundation Executive Director

2014-2016

Promoted, coordinated, and organised funds for research. Provided support for and advocated for the needs of partners and families of current Australian Military personnel and veterans.

### Royal Australian Army Infantry Gunner

1999-2001

Infantry Soldiers are employed to locate the enemy and develop an intelligence picture through patrolling and surveillance. In this role I was deployed as a gunner in a platoon and radio operator.

## Research Projects

### Cryptocurrency Online Banking integration

Worked in a small team as part of a Masters Project and working with major industry banking innovator Fiserv. Lead qualitative and quantitative research and assisted in the design of the integration of cryptocurrency management into traditional online banking services.

### Sustainable Reusable Food Container Food Pick up Application

Working in a small Masters Project team, researched sustainable food consumption and the current market of food ordering applications. Identified a market for sustainable reusable food containers and co-designed a mobile application prototype for reusable food containers and food take away.

### Statistical modelling of differences in Stroop and Simon Tasks

Research thesis on the effect differences in a computer-based Stroop and Simon task. Researched and designed experimental condition, recruited participants, and conducted experiment. Conducted statistical analysis and published thesis.

### Australian Senate Submission on Military Mental Health

Co-researcher and publisher of the Australian Families of Military Research Foundation's submission to the Federal Governments Senate Enquiry on Defence Mental Health 2016. Guest speaker as Senate enquiry for submission.