Manikya Alister

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Education

Doctor of Philosophy (Cognitive Science)   2022 – 2025 (expected)
The University of Melbourne   Melbourne, Australia
Thesis topic: *Learning from others: A computational and experimental study*

Bachelor of Psychological Science (Honours Class 1)   2017 – 2020
The University of Queensland (UQ)   Brisbane, Australia
Honours GPA: 7/7 (WAM = 92%), cumulative 4-year GPA: 6.8/7
Honours thesis: *Prioritisation under pressure: The effect of
deliberation time on multiple goal pursuit*

Universidad de Los Andes   Santiago, Chile
GoUandes Intensive Latin American Business and   January 2018
Politics Short Term Global Exchange

Honors and Awards

University Medal (awarded to the top 5% of first class honours   2020
graduates across UQ from the previous year)

Australian Psychological Society Prize (for graduating ranked #1 in   2020
my honours cohort of approx. 250 students)

McElwain Prize (best honours thesis in the School of Psychology)   2020

High Achiever Award (for obtaining a perfect GPA of 7 across the   2020
whole calendar year)   2019
   2018

Dean's Commendation (for obtaining a GPA of 6.6 or greater   2020
across the whole semester)   2019
   2018
   Sem. 2 2017

Publications

Manikya Alister, Raine Vickers-Jones, David K. Sewell, Timothy J. Ballard
(2021). How do we Choose Our Giants? Perceptions of Replicability in Psychological Science. *Advancements in Methods and Practices in Psychological Science.*
doi.org/10.1177/25152459211018199

PhD Research	**Learning from others: A computational and experimental study of how social reasoning shapes human inference** Computational models of cognition are useful tools for describing how people integrate information when reasoning, but – despite the fact that humans mainly get their information from one another – these models have until recently been applied to abstract and idealised situations and neglected the role that social inference plays when reasoning in the real world. We know that people update their beliefs differently based on new evidence if that evidence comes from a trusted friend rather than an adversary, but we do not yet have precise accounts for how or why this happens. My PhD work will build on research in A/Prof Perfors' lab exploring how models that incorporate *social sampling* (i.e., the assumptions people make about the agent providing the information) can account for behaviour in more realistic social contexts.
Professional Research Experience	**Research Assistant, UQ: Computational modelling of gaze cueing** Supervisor: Dr. Nathan J Evans Jan 2021 – Dec 2021 In this project, I am used evidence accumulation models to better understand the nature of the gaze cueing effect. My main duties included running recovery analysis simulations, developing theoretically informed variants of the Drift-Diffusion Model, fitting them to data using individual-level and hierarchical Bayesian parameter estimation techniques, and writing up the findings for publications.

Qualitative Analyst, University of Melbourne: RepliCATS Project
Supervisor: Dr. Martin Bush   July 2021 – Present
My main duties include coding free text responses from a survey asking researchers to evaluate the quality of social science research.

Summer Research Scholar, UQ: Literature review and analysis
Supervisor: Dr. Timothy J. Ballard   Summer 2019-2020
In this project, I received a scholarship to work on a literature review of studies that investigated how people pursue multiple goals with competing deadlines, with the aim of obtaining raw data for a large, multi-study modelling analysis. My main duties included searching academic databases, cleaning any data that was obtained, and running preliminary statistical analyses using R Studio.

Research Assistant, UQ: Perception and action lab
Supervisor: A/Prof. Ada Kritikos   Summer 2019-2020
I was hired to facilitate a project investigating the self-reference effect and decision-making. My main duties included organising, running, and supervising testing sessions on UQ campus.

Summer Research Scholar, UQ: Replicability in psychological science

Supervisors: Dr. Timothy Ballard, Dr. David Sewell   Summer 2018-2019

In this project, I received a scholarship to help develop a registered report investigating how different study attributes influence perceptions of replicability among psychological scientists. I worked on this project for over two years after the official scholarship was completed and was first author of the resulting manuscript. My main duties included creating a survey using Qualtrics, cleaning and analysing data using RStudio, extracting meta-data of 10,000+ journal articles from the Web of Science, and co-writing a registered report.

Lead Academic Tutor, UQ School of Psychology

Referee: Dr Kana Imuta   Semester 2 2021

PSYC1030: Introduction to Developmental, Social, and Clinical Psychology

After just one semester, I was promoted to lead tutor for this subject. My main duties as lead tutor included working directly under the course coordinator to help guide, mentor, and organise the other tutors. I also continued to perform the normal teaching and marking duties expected of any tutor.

Average student rating: not yet released.

Academic Tutor, UQ School of Psychology

Referee: Ryan Metcalfe   Semester 2 2021

PSYC2371: The Science of Everyday Thinking

My main duties included helping plan, facilitate, and conduct activities and short lectures during weekly workshops. I also marked student assignments.

Average student rating: not yet released.

Academic Tutor, UQ School of Psychology

Referee: Dr Kana Imuta   Semester 1 2021

PSYC1030: Introduction to Developmental, Social, and Clinical Psychology

My main duties included independently teaching three classes per week, each two-hours long and with approximately 40 students per class. I was also responsible for marking my students' assignments.

Average student rating: 4.58/5.

Private Tutor, UQ Union College

Referee: Odile Prevost   Semesters 1 & 2 2021

Union college is an on-campus residential facility for students at the University of Queensland. My main duties included tutoring residents in several psychology, neuroscience, and research methodology subjects.

Other Professional Experience	**General Assistant, Institute for Continuing and TESOL Education**
	Referee: Neroli Webeck March 2017 - April 2021

This institute provided English Language courses and international development training for overseas students and government departments. My main duties included scheduling, organising, setting up, and providing tech support for various events within the institute such as meetings, English classes, welcome events, tours, and activities for visiting students.

Scholarships & Funding
$7,000 total

UQ Summer Research Scholarship   Summer
$3,500   2019-2021

UQ Summer Research Scholarship   Summer
$3,500   2018-2019

Talks & Presentations
*Presenter

International Conference Presentations

Manikya Alister*, Kate T. McKay, David K. Sewell, Nathan J. Evans (poster accepted, scheduled for November 2021), *A computational modelling investigation of the mechanisms subserving the gaze-cueing effect*, 62nd Meeting of the Psychonomic Society

Timothy Ballard*, **Manikya Alister**, Raine Vickers-Jones, David K. Sewell (2020, November), *How do we choose our giants? Perceptions of replicability in psychological science*, 61st Meeting of the Psychonomic Society

Domestic Conference Presentations

Manikya Alister*, Raine Vickers-Jones, David K. Sewell, Timothy Ballard (2021, February), *Perceptions of replicability in psychological science*, Australasian Mathematical Psychology Conference, Newcastle (recording)

Manikya Alister, Scott Herbert*, Timothy Ballard (2021, February), *Pursuing Multiple Goals under Time Pressure: A Computational Investigation*, Australasian Mathematical Psychology Conference, Newcastle (recording)

Manikya Alister*, Raine Vickers-Jones, David K. Sewell, Timothy Ballard (2020, November), *Perceptions of replicability in psychological science*, UQ Centre for Perception & Cognitive Neuroscience Mini-Conference, Brisbane

Seminar Talks

Manikya Alister*, Kate T. McKay, David K. Sewell, Nathan J. Evans (2021, May). *A computational modelling investigation of the gaze-cueing effect* Statistics, Modelling, and Cognition Group seminar, UQ School of Psychology

Manikya Alister[*], Raine Vickers-Jones, David K. Sewell, Timothy Ballard (2021, March), *Perceptions of replicability in psychological science*, Centre for Research in Social Psychology Seminar, UQ School of Psychology

Manikya Alister[*], Scott Herbert, Timothy Ballard (2020, March), *The effect of deliberation time on multiple goal pursuit*, Centre for Business and Organisational Psychology Seminar, UQ School of Psychology

Skills	**Programming**
	Proficient in: R. Familiar with: Stan, Google Cloud SDK, JavaScript, HTML
	Data analysis
	Specialising in statistical & computational modelling using Bayesian methods
	Research design
	With experience designing and implementing novel experiments, replications, and surveys across multiple platforms and software.
	Spoken Languages
	English (native), Spanish (conversational)
	Other programs/software
	Github, LaTeX, SPSS, Jamovi, Qualtrics, Microsoft Office

Professional Memberships	**2022 AMPC Planning Committee**	Jan 2021 – Feb 2022
	My duties include assisting with planning the annual meeting of the Australasian Mathematical Psychology Conference which will be held in Brisbane, Australia in 2022	
	Australian Psychological Society	March 2021 – March 2022
	Honorary membership for winning the Australian Psychological Society Prize	

Referees	Provided upon request