

Jessica McFadyen PhD

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Cognitive scientist

Experience

2022 - present

Cognitive scientist

Alena (Aya Technologies)

2019 - 2022

Research fellow

Max Planck UCL Centre for Computational Psychiatry and Ageing Research (University College London)

Supervised by Ray Dolan

2019

Postdoctoral research fellow

Queensland Brain Institute, Bond University

Supervised by Oliver Baumann

Education

2015 - 2019

PhD (Cognitive Neuroscience)

Queensland Brain Institute (The University of Queensland)

Supervised by Marta Garrido and Jason Mattingley

2011 - 2014

Bachelor of Psychological Science (Hons I)

Queensland Brain Institute (The University of Queensland)

Supervised by Ross Cunnington

Skills

Programming

Javascript, React, Python, MATLAB, R, HTML, CSS

Experimental design

Psychology, neuroscience (M/EEG, MRI), user research

Game design

PC, mobile - puzzle, action, strategy, simulation

Computational modelling

Dynamic causal modelling, reinforcement learning, custom model construction

Statistics

Machine learning, frequentist methods, Bayesian methods, mixed effects modelling

Communication

Writing, public speaking

Psychology

Anxiety, empathy, memory, cognitive behavioural therapy (CBT), visual perception

Publications

396 citations

h-index: 8

For full list of **17** publications in peer-reviewed journals, see:

<https://scholar.google.com.au/citations?user=KxPWaFgAAAAJ&hl=en&oi=ao>

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