

Andy Sitoh

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SUMMARY

Aspiring academic and researcher with a keen interest in neuropsychology, data analysis, and clinical research. Skilled in interpreting and visualising complex datasets using programming languages including R and Python. Experienced in administering neuropsychological assessments, combining analytical and clinical expertise to inform clinical judgements.

EDUCATION

THE UNIVERSITY OF MELBOURNE

Master of Psychology (Clinical Neuropsychology)/Doctor of Philosophy

GPA: 94.0/100

Awards: Melbourne Research Scholarship

Relevant Courses: Neuropsychological Assessment, Neuropsychological Disorders, Graduate Research Methods, Clinical Skills, Cognitive-Behavioural Therapy

Melbourne, Australia

Expected Feb 2026

THE UNIVERSITY OF MELBOURNE

B.Sc. (Hons), Psychology

GPA: 95.8/100

Awards: Australian Psychological Society Prize, Dwight Final Assessment Prize, Jeff Pressing Prize (Valedictorian)

Melbourne, Australia

Dec 2021

THE UNIVERSITY OF MELBOURNE

B.Sc., Neuroscience

GPA: 90.7/100

Awards: Dean's Honours Roll 2018–2020 (Top 1.5% of students)

Melbourne, Australia

Dec 2020

WORK EXPERIENCE

THE UNIVERSITY OF MELBOURNE

Student Peer Leader

- Coordinated and supervised 50 mentors in the Faculty of Dentistry, Medicine, and Health Sciences (MDHS) for the Melbourne Peer Mentor Program.

- Reviewed engagement rates for student mentors, wrote fortnightly newsletters, presented for MDHS students and staff, innovated a podcast exploring career trajectories for MDHS students.

- Led MDHS to receive the highest engagement and attendance rates across all faculties.

Melbourne, Australia

Jan 2020 – Dec 2021

SUCURRO MARKETING

Fundraising Team Leader

- Recruited donors by speaking to hundreds of people a day and building relationships.

- Promoted to Team Leader in 2 months due to consistent performance in increasing donors by 20%.

Melbourne, Australia

Jun 2019 – Mar 2020

RESEARCH EXPERIENCE

ORYGEN YOUTH HEALTH

Data Science Support, PRESCIENT project

Supervisor: Dr Dominic Dwyer

- Spearheaded an initiative focused on using routinely collected clinical data from over 1,000 youths.

- Employed machine learning techniques (e.g., support vector machines, stacked generalisation) for predicting first-episode psychosis in young individuals at ultra-high risk.

Melbourne, Australia

Mar 2023 – Present

THE UNIVERSITY OF MELBOURNE

Doctorate Student at Austin Hospital

Supervisors: Dr. Chris Tailby, Dr. David Weintrob, A/Prof. Jacqueline Anderson

- Thesis: Clinical utility of neuropsychological measures of memory in epilepsy, including issues concerning reliability and validity.

- Undertake statistical analysis on data collected for clinical purpose to support evaluation of epilepsy surgical candidates.

Melbourne, Australia

Jan 2022 – Present

THE UNIVERSITY OF MELBOURNE

Melbourne, Australia

Research Assistant at Computational Memory Laboratory

Jan 2020 – Dec 2021

Supervisor: A/Prof. Adam Osth

- Project: Utility of evidence accumulation models in elucidating the mechanisms behind free recall, culminating in a 10,000-word empirical thesis.
- Leveraged advanced tools such as Bayesian hierarchical techniques, computational modelling, and MCMC sampling.

FLOREY INSTITUTE OF NEUROSCIENCE AND MENTAL HEALTH

Melbourne, Australia

Research Assistant at Addiction Neuroscience Laboratory

Jul 2020 – Jan 2021

Supervisors: Prof. Andrew Lawrence & Dr. Leigh Walker

- Project: Impact of binge drinking on Cocaine-and Amphetamine-Regulated Transcript expression.
- Utilised immunohistochemistry techniques and electron microscopy.

THE UNIVERSITY OF MELBOURNE

Melbourne, Australia

Research Assistant at Mental Illness Stigma Laboratory

Jan 2020 – Mar 2020

Supervisor: Dr. Christopher Groot

- Synthesised 40 research articles as part of a systematic review regarding effects of terminology and labelling of Schizophrenia.
- Collaborated on the National Stigma Report Card documenting experiences from 5,000 individuals living with mental illness.

CLINICAL EXPERIENCE

ALLIED HEALTH, ROYAL MELBOURNE HOSPITAL

Melbourne, Australia

Provisional Psychologist

Jan 2024 – Present

Supervisor: Dr. Toni Withiel

- Conducted both outpatient and inpatient cognitive assessments for a heterogenous range of patients.

MELBOURNE MULTIPLE SCLEROSIS CENTRE, ROYAL MELBOURNE HOSPITAL

Melbourne, Australia

Provisional Psychologist

Jul 2023 – Sep 2023

Supervisor: A/Prof. Charles Malpas

- Assessments typically involved clarifying between primary (i.e., organic) and secondary (e.g., psychopathology) cognitive impairment against a background of various neuroinflammatory diseases.
- Performed complete neuropsychological assessments (history-taking, formal cognitive assessment, feedback, clinical notes) for approximately 30 patients.

COGNITIVE DISORDERS OUTPATIENTS' CLINIC, AUSTIN HOSPITAL

Melbourne, Australia

Provisional Psychologist

Apr 2023 – Jun 2023

Supervisor: Prof. Michael Saling

- Adopted a hypothesis-driven diagnostic approach in an outpatient setting, with a focus on older-aged adults.
- Performed complete neuropsychological assessments (history-taking, formal cognitive assessment, post-diagnostic intervention, report writing) for approximately 20 patients.

TEACHING EXPERIENCE

THE UNIVERSITY OF MELBOURNE

Melbourne, Australia

Tutor

Jan 2022 – Present

- Subjects: Advanced Design and Data Analysis (PSYC40005), Research Methods for Human Inquiry (PSYC30013), The Integrated Brain (PSYC30020), Foundations for Clinical Practice (MEDS900031), Cognitive Psychology (PSYC20007).
- Demonstrated knowledge and expertise in course content, as well as effective teaching strategies, by tutoring an average of 50 students each semester and receiving positive feedback from students.

HD EDUCATION

Melbourne, Australia

Tutor

Aug 2019 – Jan 2022

- Designed and innovated study materials for university-level subjects, tailored for students to improve their grades and academic skills.
- Conducted engaging lectures spanning 1 to 2 hours each, catering to large class sizes of up to 20 students per session and covering various aspects of Year 1 to 3 undergraduate courses.

FREELANCE TUTOR

Melbourne, Australia

Tutor

Aug 2020 – Jan 2022

- Implemented cohesive lesson plans including lecture slides, resources, and notes to enhance learning experience for approximately 50 students each semester.
- Personalised lesson plans catering to individual learning requirements for approximately 10 students each semester.

VOLUNTEERING & EXTRA-CURRICULAR ACTIVITIES

THE UNIVERSITY OF MELBOURNE

First-Year Representative at Neuropsychology Students' Society

Melbourne, Australia

Jan 2020 – Dec 2020

- Represented first-year neuropsychology students within the University of Melbourne.

THE UNIVERSITY OF MELBOURNE

President at Melbourne University Psychology Association

Melbourne, Australia

Aug 2019 – Aug 2020

- Managed a university club representing psychology students consisting of 250 members in an official capacity, aimed at untiring a support network for psychology students on social and educational fronts.
- Organised 10 events within a 1-year period including social events, educational events, and career-related sessions.

PROFESSIONAL MEMBERSHIPS & DEVELOPMENT

AUSTRALIAN HEALTH PRACTITIONER REGULATION AGENCY

Provisional Psychologist

Melbourne, Australia

Feb 2022 – Present

- Registration number: PSY0002597901.

SKILLS

Technical: Microsoft Office Suit (Word, PowerPoint, Excel, MS Teams), Customer Relations Experiences (Salesforce).

Programming: R, Python, JavaScript, MATLAB, HTML & CSS.

Clinical: Proficient in administering and scoring neuropsychological tests, including Q-interactive, all Weschler scales and a range of hypotheses-driven tests (e.g., Rey Auditory Verbal Learning Test).

Statistical: Generalised linear mixed models, dimensionality reduction, machine learning, Bayesian statistics.

Languages: Fluent in Chinese, English; Basic Proficiency in Japanese.