

# Curriculum Vitae • Alicia Smith

Researcher / Data Analyst | Statistical Analysis • R Programming • Product Analytics • Data visualisation | Relocating to

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I am a Data Analyst with a PhD in Cognitive Neuroscience from the University of Cambridge. I have extensive experience running statistical analyses to solve complex, real-world problems. I am experienced in product analytics, user engagement metrics, and translating insights into decisions through close collaboration with data engineers, clinicians, and non-technical stakeholders. I perform analyses using R, but have also self-taught Python, MATLAB, and ReactJS, selecting tools based on the needs of the project and building reproducible workflows that I share on GitHub.

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## • Education

### PhD in Cognitive Neuroscience

MRC Cognition and Brain Sciences Unit, University of Cambridge

Oct 2020 – Nov 2024

*Passed with no corrections*

### BSc (Hons) Neuroscience

University of Manchester

Sept 2015 – Sept 2019

*First Class*

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## • Data Science Experience

### Post-Doctoral Research Fellow | University of Melbourne, Australia

Dec 2024 – present

- Led end-to-end analysis of data from hundreds of participants to inform the design of a new digital assessment tool.
- Translated analytical insights into product decisions, designing and building a digital assessment tool (using ReactJS) co-developed with individuals with lived experience and clinicians at Orygen Digital.
- Partnered closely with clinical psychologists, mental health professionals, researchers, and young people to iteratively refine product functionality and usability.
- Designed and analysed a mixed-methods (quantitative and qualitative) study assessing clinician perceptions of added value, feasibility, acceptability, and barriers to implementation.
- Built reproducible analysis pipelines using Python and Jupyter notebooks and shared all code publicly via GitHub to enable replication across populations and settings.
- Communicated findings to audiences through conference presentations, including the International Society for Internet Interventions.
- Provided analytical support across multiple projects within the lab and advised master's and undergraduate students on data analysis and reporting.

### Data Analyst Consultant / Research Partner | Left Write Hook, Australia

Jun 2025 – present

- Ran statistical analyses and presented insights to non-technical stakeholders to support strategic planning and funding applications.
- Presented findings in clear, non-technical formats for charity leadership and external partners.

### Data Analyst | Orygen Digital, Orygen Youth Health, Melbourne, Australia

Jun 2023 – Dec 2023

- Analysed longitudinal engagement data from nearly 6,000 users of a digital mental health platform to inform personalisation and product improvements.

- Worked with data engineers and clinical psychologists to understand the research question, define metrics, and interpret results.

**Research Assistant** | Cognition & Brain Sciences Unit, University of Cambridge

Sept 2019 – Sept 2020

**Research Assistant** | Department of Psychiatry, University of Cambridge

Jun 2019 – Jun 2020

## • Technical skills

**Programming languages:** R, Python, MATLAB, ReactJS

**Analytics:** Product analytics, cohort & longitudinal analysis, computational modelling, machine learning, experimental & observational studies

**Data practices:** Reproducible analysis, version control (Git/GitHub), data visualisation.

## • Awards & Grants

**Award nomination: Milo Keynes Prize**

October 2025

Nominated for best thesis in a particular research area within the University of Cambridge School of Medicine.

**Award: Sir Robbie Jennings Fund**

May 2023

**Award: Ting-Hway Wong Fund**

May 2023

**Award: MRC DTP Flexible Supplement Funding**

March 2023

**Award: Jesus College Postgraduate Travel Grant**

January 2023

**Award: Alwyn Lishman Prize**

May 2022

Awarded for my submission to the British Neuropsychiatry Association annual conference.

**CULP language bursary**

May 2022

**PhD Scholarship**

February 2020

## • Selected Publications

Smith, A.J. et al. (2025). User Character Strengths and Engagement Prediction on a Digital Mental Health Platform for Young People: Longitudinal Observational Study. *Journal of Medical Internet Research*.

Smith, A.J. et al. (2025). Inflammatory profiles of transdiagnostic symptom dimensions in healthy females. *Brain Behaviour Immunity Health*.

Smith, A.J. et al. (2024). Hot metacognition: poorer metacognitive efficiency following acute but not traumatic stress. *Translational Psychiatry*.

Full publication list available on [Google Scholar](https://scholar.google.com/citations?user=...).