

# KASIA MOJESCIK

 katarzynamojescik@gmail.com

 <https://github.com/KasiaMojescik>

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## SKILLS

- Java (experienced)
- SQL (experienced)
- Python (experienced)
- Git (experienced)
- R (intermediate)
- Unity and C# (basic knowledge)
- Development of paradigms with jsPsych and PsychoPy
- fMRI data analysis (SPM and CoSMoMVPA)
- fMRI multivariate pattern analysis
- Preprocessing using fMRIPrep

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## EDUCATION

### PHD COGNITIVE PSYCHOLOGY AND NEUROSCIENCE

University of Sussex | September 2021 - September 2025

Research in the field of individual differences in episodic memory across the lifespan

### MSC SOFTWARE DEVELOPMENT

University of Glasgow | September 2017 - September 2018

***Distinction***

### MA PSYCHOLOGY

University of Glasgow | 2013 - 2017

***First Class Honours (3rd best result out of 151 students)***

### EXCHANGE STUDENT IN NEW ZEALAND

University of Otago | 2015 - 2016

***GPA 8.8 (9 maximum)***

### INTERNATIONAL BACCALAUREATE

American International School of Johannesburg  
South Africa | 2011 - 2013

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## EXPERIENCE

### PHD STUDENT, SUSSEX UNIVERSITY

Brighton, September 2021 - present

- **Published a pre-registered experiment** in peer reviewed journal as a first author following Open Science principles.
- Analysed data using **Python** (packages: *pandas, scikit-learn, numpy, matplotlib, pingouin*); **linear mixed effect models** in **R** (packages: *lme4, lmerTest, stats, dplyr, ggplot2*).
- Analysed neuroimaging data in **MATLAB** (SPM, CoSMoMVPA).
- Preprocessed and manually inspected **fMRIPrep** output to ensure data quality for 100+ participants.
- Created and piloted a **new set of stimuli for an aging study**.
- Created new cognitive paradigms with **jsPsych and PsychoPy**.
- Recruited **young and older adult** participants **online** via Prolific, including **multi-session studies**.

## DOCTORAL TUTOR, SUSSEX UNIVERSITY

Brighton, September 2021 - May 2024

Taught on four undergraduate modules: three **statistics** modules and a **cognitive psychology** module.

Topics taught: linear regression, general linear models, factor analysis, data visualisation, experimental design

## SOFTWARE ENGINEER, J.P.MORGAN CHASE & CO

Glasgow, July 2018 - September 2021

**Junior Java developer** in a large, international team.

Daily tasks include developing new features for Spring Boot Java projects, writing **unit tests** for new features, examining logs and running **bash** commands in **terminal**, solving software issues raised by users. Experienced with using **Git version control** for large scale multi-developer projects.

## RESEARCH INTERN, GLASGOW SCIENCE CENTRE

Glasgow, July 2016 - August 2016

Conducted **experiments on portion size effect** in sweet beverages, testing more than **800 participants in person**.

**Managed a team of research assistants**.

Created **flyers to educate general public** about portion size effect.

## RESEARCH INTERN, OTAGO UNIVERSITY

Dunedin, February 2016 - May 2016

Completed an **independent research project** on the development of racial prejudice in toddlers.

Prepared experimental stimuli, collected and analysed data.

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## AWARDS

**GUTS Hackathon 2017** First Place awarded to my team by Black Rock

**Nomination for the Herkless Prize** For academic achievements as a female undergraduate at University of Glasgow

**Nomination for Thomas Logan Memorial Prize** For most distinguished graduate from the College of Arts within School of Psychology

**The Robert H. Thouless Prize** Awarded for the best Literature Review among 4th year Psychology students

**Extraordinary Performance Award** For outstanding results in 3rd year Psychology courses, Otago University

**Outstanding Effort Award** Awarded for academic performance at American International School of Johannesburg

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## GRANTS

**The Guarantors of Brain** £1000 check to attend the annual Cognitive Neuroscience Society meeting in Toronto, Canada in April 2024

**Grindley Grant** Up to £500 travel expenses reimbursed by the Experimental Psychology Society, to attend the Episodic Future Thinking workshop in York, UK

**Glasgow Science Centre Summer Scholarship** £900 scholarship for living expenses to conduct a series of Health Psychology experiments in the summer before the final year of my undergraduate degree

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## TRAINING

**COGNESTIC** September 2022, Cambridge, UK

Attended the Cognitive Neuroimaging Skills Training in Cambridge summer school on methods for neuroimaging analysis. This included lectures on a variety of open-source software and data formats (such as fMRIPrep, MNE-Python, BIDS), as well as lectures on MVPA, functional connectivity and DCM analyses for fMRI.

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## CONFERENCES

- Poster presentation at Cognitive Neuroscience Society Annual Meeting, April 2024, Toronto, Canada
  - Talk at Memory Workshop for memory research groups in South-East England, January 2024, Brighton, UK
  - Poster presentation at an EPS workshop “Future Thinking: 20 Years On”, December 2023, York, UK
  - Poster presentation at British Association for Cognitive Neuroscience conference, September 2023, Cardiff, UK
  - Poster presentation at 3rd edition of the Recollection, Familiarity, and Novelty Conference, March 2023, Liege, Belgium
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## PUBLICATIONS

Mojescik, K. M., Berens, S. C., De Luca, F., Ritchey, M., & Bird, C. M. (2024). The Relationship Between Subjective Memory Experience and Objective Memory Performance Remains Stable Across the Lifespan. *Collabra: Psychology*, 10(1).

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## HOBBIES

Data wrangling and cleaning up unorganised messy data files with pandas package, mountaineering, fiction novels, yoga

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## REFERENCES

Provided upon request.