LAUREN ALEXANDRA HOMANN

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EDUCATION

Doctor of Philosophy in Psychology   Expected: 2027
University of Toronto, Toronto, Canada

> **Supervisor:** Dr. Morgan Barense

Honours Bachelor of Science in Psychology, Biology Minor   2022
University of Waterloo, Waterloo, Canada

> **Thesis:** "The effects of self-selected background music and task difficulty on task engagement and performance in a visual vigilance task"

> **Thesis Advisor:** Dr. Daniel Smilek

> Graduated with Dean's Honours

PUBLICATIONS

Homann, L. A.*, Roberts, B. R. T.*, Ahmed, S., Fernandes, M. A. (2022). Are emojis processed visuo-spatially or verbally? Evidence for dual codes. *Visual Cognition, 30*(4), 267–279. https://doi.org/10.1080/13506285.2022.2050871

MANUSCRIPTS UNDER REVIEW

Homann, L. A., Drody, A. C., Smilek, D. The effects of self-selected music and task difficulty on task engagement and performance in a visual vigilance task. Under review at *Psychological Research*.

* Signifies shared first authorship

CONFERENCE PRESENTATIONS

Homann, L. A., Roberts, B. R. T., Ahmed, S., Fernandes, M. A. (2021, November 4-7). *Are emojis processed visuo-spatially or verbally? Evidence for dual codes* [Poster presentation]. Psychonomic Society 62nd Annual Meeting, Online.

FELLOWSHIPS

Canada Graduate Scholarship—Masters	*$17,500*	2022–2023
Natural Sciences and Engineering Research Council of Canada		

Undergraduate Student Research Award	*$4,500*	2020
Natural Sciences and Engineering Research Council of Canada		

HONOURS AND AWARDS

Recruitment Award	*$5,000*	2022
University of Toronto, Department of Psychology		

Honours Thesis Award		2022
University of Waterloo, Department of Psychology		

University of Toronto Scholars Award	*$6,000*	2016
University of Toronto		

RESEARCH EXPERIENCE

Honours Thesis Student and Research Assistant   Jan. 2021–
Vision and Attention Lab, University of Waterloo   Aug. 2022
Principal Investigator: Dr. Daniel Smilek

- Led a project investigating the effects of preferred background music and task difficulty on subjective attentional engagement (e.g., mind wandering) and task performance
- Created a novel thought-probe measure and a visual vigilance paradigm
- Programmed experiments for remote delivery using OpenSesame Experiment Builder, JavaScript, and JATOS Experiment Manager
- Cleaned and analyzed data with R
- Conducted literature searches in attention and music cognition
- Trained three research assistants in data collection

Research Assistant   Jan. 2020–
Cognitive Neuroscience Lab, University of Waterloo   May 2022
Principal Investigator: Dr. Myra Fernandes

- Designed and implemented three experiments to infer the underlying episodic memory representations of emojis
- Programmed experiments using OpenSesame Experiment Builder and JATOS Experiment Manager and provided informal tutorials to graduate students on their usage
- Trained a research assistant in data collection and analyses using SPSS and Excel
- Used Open Science Framework to preregister studies and disseminate data and materials

- Collected behavioural and eye-tracking data in person and remotely and analyzed these data using jamovi, SPSS and Excel
- Conducted multiple literature searches in memory
- Coded autobiographical memories

Research Assistant May 2019–
Psychological Interventions Research Team, University of Waterloo Aug. 2020
Principal Investigator: Dr. Jonathan Oakman

- Created a coding manual for interviews surveying how musicians use imagery to alleviate performance anxiety
- Coded and analyzed interviews using NVivo and Excel

TEACHING EXPERENCE

Teaching Assistant
Department of Psychology, University of Toronto

- Statistics I (Professor: Dr. Molly Metz) Sep. 2022–Dec. 2022

TECHNICAL SKILLS

Software: E-Prime, OpenSesame Experiment Builder, PsychoPy, JATOS Experiment Manager, SPSS, jamovi, NVivo, Excel

Apparatus: EyeLink eye-tracking system

Programming Languages: R (proficient), JavaScript (beginner)

MENTORSHIP AND SERVICES

Graduate Mentor Sep. 2022–
Psychology EDI Committee, University of Toronto present

- Advise two undergraduate psychology students applying to research-based graduate programs and provide feedback on their application materials
- Facilitate CV and personal statement writing workshops

Peer Mentor Sep. 2021–
Department of Psychology, University of Waterloo Apr. 2022

- Advised seven undergraduate psychology students

President Jan. 2020–
Undergraduate Psychology Society (PsychSoc), University of Waterloo Aug. 2021

- Oversaw day-to-day functioning of PsychSoc, its executive members, and the tuck shop

Vice President of Events   Sep. 2019–
Undergraduate Psychology Society (PsychSoc), University of Waterloo   Dec. 2020

- Led a group of volunteers in the planning and execution of academic and social events for undergraduate psychology students