

LAUREN A. HOMANN

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<https://laurenhomann.github.io>

EDUCATION

- 2027
(expected) **Doctor of Philosophy, Psychology (Cognitive Neuroscience)**
University of Toronto, Toronto, Canada
- Supervisor: Dr. Morgan Barense
- 2022 **Honours Bachelor of Science in Psychology, Biology Minor**
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
 - Supervisor: Dr. Daniel Smilek

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>

Articles in preparation

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.

* 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.

HONOURS AND AWARDS

- 2022 **Canada Graduate Scholarship–Masters**
Natural Sciences and Engineering Research Council of Canada (NSERC)

Purpose: *The CGS M program provides financial support to high-calibre scholars engaged in eligible masters, or in some cases, doctoral programs in Canada.*

Value: \$17,500.

2022

Recruitment Award

University of Toronto, Department of Psychology

Value: \$5,000

2022

Honours Thesis Award

University of Waterloo, Department of Psychology

Purpose: *The Department of Psychology recognizes the achievements of a small number of students who produced the most outstanding honours theses.*

2020

Undergraduate Student Research Award

Natural Sciences and Engineering Research Council of Canada (NSERC)

Purpose: *To provide full-time research experience which will encourage students to consider graduate studies and pursue careers in the natural sciences and engineering.*

Value: \$4,500.

2016

University of Toronto Scholars Award

University of Toronto

Purpose: *A scholarship issued to high achieving students upon entry to the University of Toronto. By selection.*

Value: \$6,000.

RESEARCH EXPERIENCE

Jan. 2021–
present

Honours Thesis Student and Research Assistant

Vision and Attention Lab, Department of Psychology, University of Waterloo

Supervisor: 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

- Jan. 2020–
May 2022 **Research Assistant**
Cognitive Neuroscience Lab, Department of Psychology, University of Waterloo
Supervisor: Dr. Myra Fernandes
- Designed and implemented three experiments to infer the underlying episodic memory representations of emojis
 - Programmed studies 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
- May 2019–
Aug. 2020 **Research Assistant**
Psychological Interventions Research Team, Department of Psychology, University of Waterloo
Supervisor: 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 EXPERIENCE

- Sep. 2022–
present **Teaching Assistant**
Department of Psychology, University of Toronto
- PSY201: Statistics I (*Prof. Molly Metz*)

TECHNICAL SKILLS

- Software: E-Prime, OpenSesame Experiment Builder, PsychoPy, JATOS Experiment Manager, SPSS, jamovi, NVivo, Excel, Mendeley
- Apparatus: EyeLink eye-tracking system
- Computer R, JavaScript
Languages:

MENTORSHIP AND SERVICES

Sep. 2021–
Apr. 2022

Peer Mentor

Department of Psychology, University of Waterloo

- Advised seven undergraduate psychology students

Jan. 2020–
Aug. 2021

President

Undergraduate Psychology Society (PsychSoc), University of Waterloo

- Oversaw day-to-day functioning of PsychSoc, its executive members, and the tuck shop
- Ensured executive team members were fulfilling their duties and not violating policies or laws set forth by PsychSoc or its governing bodies
- Hired executive team members
- Planned and hosted executive and general meetings
- Advocated for undergraduate psychology students at Arts Students Union and Science Society board of directors' meetings.

Sep. 2019–
Dec. 2020

Vice President of Events

Undergraduate Psychology Society (PsychSoc), University of Waterloo

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