

# Carter M. Smith

*Curriculum Vitae | January 2026*

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[cartermsmith.github.io](https://cartermsmith.github.io)

## EDUCATION

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<b>University of Waterloo</b> , Waterloo, ON	Expected: 2027
<i>M.A. in Cognitive Psychology</i>	
<i>Advisor: Dr. Clara Colombatto</i>	
<b>Wilfrid Laurier University</b> , Waterloo, ON	2021 – 2025
<i>Honours B.A. in Psychology, Research Specialization with High Distinction</i>	
<i>Thesis: The effect of visual angle on slot machine gambling in virtual reality</i>	
<i>Advisor: Dr. Nichole Scheerer</i>	

## AWARDS AND DISTINCTIONS

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UW Graduate Student Research Dissemination Award	2025 (\$500)
UW Graduate Research Studentship	2025 (\$4,000)
WLU Faculty of Science Dean's Honour Roll	2021; 2022; 2023; 2024
WLU In-course scholarship	2021 (\$750); 2022 (\$1,500); 2023 (\$1,500)
WLU Entrance scholarship	2021 (\$2,500)
WLU Don Morgenson Memorial Award	2024 (\$2,000)
WLU FOSSA Research Assistant Scholarship	2024 (\$1,000)

## RESEARCH APPOINTMENTS

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<b>Graduate Student Researcher</b>	Fall 2025 –
University of Waterloo, Waterloo, ON	
<i>Advisor: Dr. Clara Colombatto</i>	
• Researching the human visual system's role in social cognition using methods from psychophysics and vision science.	
• Interested in social attention, gaze cueing, and rhythmic attention.	

**Honours Thesis Student** Fall 2024 – Spring 2025

Wilfrid Laurier University, Waterloo, ON

*Advisor:* Dr. Nichole Scheerer

- Explored how modifying the visual angle of a VR slot machine changes gambling.
- 100+ in-lab hours collecting, cleaning, and analyzing physiological and behavioural data.
- First-authored a paper under revision at a peer-reviewed journal.

**Directed Study Student** Winter 2024 and 2025

Wilfrid Laurier University, Waterloo, ON

*Advisor:* Dr. Nichole Scheerer

- Prepared and submitted a first-author journal article with a research team (2025).
- Cleaned and analyzed a large, primary dataset (N = 2,095) (2025).
- Preliminarily investigated an original topic for my thesis; designed an experiment (2024).
- Wrote a research proposal and presented proposal to lab members (2024).

**Research Assistant** Fall 2023 – Spring 2025

Wilfrid Laurier University, Waterloo, ON

*Advisor:* Dr. Nichole Scheerer

- Over 80 in-lab hours in Fall 2023 conducting data collection and analysis for speech studies.
- Technical skills: EEG, R, Excel, MATLAB, Audacity, Praat, Studio One 2.
- Independently designed, created, and presented a research poster at SONA 2024.

**Research Assistant** Spring 2023 – Fall 2023

Wilfrid Laurier University, Waterloo, ON

*Advisor:* Dr. Marc Jambon

- Conducted literature searches, organized large databases, and contributed to a meta-analysis on the associations between parental warmth and prosocial outcomes in children.

**Research Assistant** Fall 2022 – Spring 2023

Wilfrid Laurier University, Waterloo, ON

*Advisor:* Dr. Nancy Freymond

- Archival research, qualitative research methods, discussed patterns related to Indigenous marginalization in the child welfare system, attended and formulated public and scholarly seminars.

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**PUBLICATIONS**

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Smith, C. M., Van Esch, N., & Scheerer, N. E. (2026). Anxiety and depression among Canadian undergraduates with decreased sound tolerance. *Hearing Research*, 471, 109522.

<https://doi.org/10.1016/j.heares.2025.109522>

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**WORKING PAPERS**

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**Smith, C. M.**, & Scheerer, N. E. (2025, In preparation). Slot machine size as an arousal mechanism for optimal gambling performance.

## CONFERENCE PRESENTATIONS

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**Smith, C. M.**, Van Esch, N., & Scheerer, N. E. (2025, May). Decreased sound tolerance and mental health in Canadian undergraduates. Southern Ontario Neuroscience Association (SONA), London, ON, Canada.

**Smith, C. M.**, & Scheerer, N. E. (2025, May). The effect of visual angle on slot machine gambling in virtual reality. Southern Ontario Behavioural Decision Research Conference (SOBDR), Toronto, ON, Canada.

**Smith, C. M.**, & Scheerer, N. E. (2025, March). The effect of visual angle on slot machine gambling in virtual reality. Faculty of Science Students' Association Undergraduate Research Conference (FURC), Waterloo, ON, Canada.

**Smith, C. M.**, Van Esch, N., Manning, S., & Scheerer, N. E. (2025, March). Decreased sound tolerance and mental health in Canadian undergraduates. Faculty of Science Students' Association Undergraduate Research Conference (FURC), Waterloo, ON, Canada.

**Smith, C. M.**, Van Esch, N., Manning, S., Scheerer, N. E. (2024, May). The Relationship Between Depression and Anxiety and Symptoms of Misophonia in the General Population, Southern Ontario Neuroscience Association (SONA), Waterloo, Ontario, Canada.

Bishai, R., Wickie, A., **Smith, C. M.**, Jones, J. A., Scheerer, N. E. (2024, May). Vocal Motor Control During Exposure to Variable Auditory Feedback, Southern Ontario Neuroscience Association (SONA), Waterloo, Ontario, Canada.

## TEACHING

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### Teaching Assistant Winter 2026

University of Waterloo, Waterloo, ON

- Natural Science Advanced Research Methods: Computational Methods & Tools for Research (PSYCH 390).
- Provided feedback and in-class technological troubleshooting.
- Helped students learn new tools to streamline their research.

### Teaching Assistant Fall 2025

University of Waterloo, Waterloo, ON

- Introductory Psychology (PSYCH 101).
- Graded nearly 160 written assignments.
- Created novel multiple choice questions for future tests.
- Supported students' understanding of course material, provided clear assignment feedback.

- Instructional Assistant** Fall 2024  
Wilfrid Laurier University, Waterloo, ON
- Graded first-year university student assignments for Introduction to Psychology I (PS101).
  - Provided constructive feedback on fundamental psychological concepts.

## **SERVICE AND OUTREACH**

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- Community-Service Learning Student** Winter 2023  
Wilfrid Laurier University, Waterloo, ON
- Volunteered once per week in-person at a local high school.
  - Developed teaching abilities by helping high school students develop skills in math, English, and science.
- Autism Speaks Volunteer** Summer 2024  
Wilfrid Laurier University, Waterloo, ON
- Volunteered at the 2024 Autism Speaks Walk in Waterloo Park.
  - Helped recruit neurodivergent participants for sensory processing research.

- Accessible Notetaker** Fall 2022 – Fall 2023  
Wilfrid Laurier University, Waterloo, ON
- Took detailed notes during my undergraduate education and uploaded them for students with documented disabilities, when needed.

## **TECHNICAL SKILLS**

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- **Statistical Software:** *R, JASP, jamovi, SPSS, G\*Power.*
- **Programming / Tools:** *Python (PsychoPy) JavaScript (jsPsych), C#, Unity, HTML, R Markdown, GitHub Pages.*
- **Physiological Tools:** *EmotiBit, Electroencephalography, Meta Quest 2 VR Headset.*
- **Advanced Data Analysis / Statistics:**
  - Principal components, cluster, factor, and trend analyses.
  - One-way, factorial, fixed-, random- and mixed-effects ANOVAs.
  - Linear and multiple regression; moderation analyses, generalized linear modeling.