

# Carter M. Smith

*Curriculum Vitae* | January 2026

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

## EDUCATION

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**University of Waterloo**, Waterloo, ON Expected: 2027  
*M.A. in Cognitive Psychology*  
*Advisor*: Dr. Clara Colombatto

**Wilfrid Laurier University**, Waterloo, ON 2021 – 2025  
*Honours B.A. in Psychology, Research Specialization with High Distinction*  
*Thesis: The effect of visual angle on slot machine gambling in virtual reality*  
*Advisor*: Dr. Nichole Scheerer

## 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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**Graduate Student Researcher** Fall 2025 –  
University of Waterloo, Waterloo, ON  
*Advisor*: Dr. Clara Colombatto

- 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.

**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>

**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.