Carter M. Smith

Curriculum Vitae | October 2025

carter.smith@uwaterloo.ca

cartermsmith.github.io

EDUCATION

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

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

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 visual and social attention, cueing paradigms, and causal perception.

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 to be submitted to a peer-reviewed journal.

Directed Study Student   Winter 2025
Wilfrid Laurier University, Waterloo ON
Advisor: Dr. Nichole Scheerer
- Prepared and submitted a first-author journal article with a research team.
- Cleaned and analyzed a large, primary dataset (N = 2,095).

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.

MANUSCRIPTS UNDER REVIEW

Smith, C. M, Van Esch, N, & Scheerer, N.E. (2025, Under review). Anxiety and depression among Canadian undergraduates with decreased sound tolerance. *Hearing Research*.

WORKING PAPERS

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

CONFRENCE PRESENTATIONS

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)*, University of Western Ontario. 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 Metropolitan University. 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)*, Wilfrid Laurier University. 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)*, Wilfrid Laurier University. 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

Teaching Assistant   Fall 2025
University of Waterloo, Waterloo, ON
- Graded nearly 160 written assignments for Introduction to Psychology (PSYCH 101).
- 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

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

- **Statistical Software**: *R*, *JASP*, *jamovi*, *SPSS*, *G*Power*.
- **Programming / Tools**: *Python*, *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.