

Christina Fan

Psychology, Life
Sciences Undergraduate
Student

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Education

University of Waterloo

Bachelor of Science, Psychology, Honours, Minor in Neuroscience

Sept. 2023 - April 2027

Skills

- Python and R
 - Transcranial magnetic current stimulation (tDCS), Transcranial magnetic stimulation (TMS)
 - Microsoft Office (Excel, Word, PowerPoint), Zotero, Qualtrics, PsychoPy
 - Organization and Collaboration
 - Fluent in English and Mandarin
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Research Experience

University of Waterloo, Department of Optometry, Human Visual Neuroscience Lab / Research Assistant

Sept. 2025 -Present, Waterloo

PI: Dr. Ben Thompson

- Run independent weekly sessions of a Rapid Serial Visual Presentation (RSVP) study administering transcranial direct current stimulation (tDCS) to patients with visual impairments to explore effects on reading accuracy
- Perform tDCS and psychophysical data collection and analysis

University of Waterloo, Department of Kinesiology and Health Sciences, Multisensory Brain and Cognition Lab / Research Assistant

Sept. 2025 -Present, Waterloo

PI: Dr. Michael Barnett-Cowan

- Assist with Transcranial Magnetic Stimulation (TMS) administration on older adults for a study exploring changes in audiovisual integration during aging
- Participant recruitment, data coding, and statistical analyses

University of Waterloo, Department of Psychology, Psychological

Intervention Research Team / Research Assistant

May 2025- Present, Remote

PI: Dr. Jonathan Oakman

- Coded 400+ clinical therapy session segmentations
- Attend weekly meetings to discuss therapeutic ratings
- Apply pre-established rating anchors to sessions

University of California, Berkeley, Department of Psychology,

Berkeley Early Learning Lab / Research Assistant

May 2025- July 2025, Remote

PI: Dr. Fei Xu

- Study material preparation, participant recruitment, and testing
- Coded 100+ baby eye-gaze data videos using LookIt and Datavyu software
- Participate and present at weekly lab meetings and journal clubs

University of Waterloo, Department of Psychology, Cognition and

Natural Behavior Laboratory / Research Assistant

Oct. 2024- Dec. 2025, Waterloo

PI: Dr. Evan Risko

- Scheduled and ran 40+ study sessions independently using SONA
- Performed data collection and coding for five large datasets
- Attended weekly literature review and technical lab meetings

Posters and Presentations

Fan, C., Huynh, E., Qin, E., Zaman, F., Siddique, A.B. “Effects of Increasing Taxol Production for Cancer Treatment”. Fusion Conference 2025, University of Waterloo, Nov. 2025 (Waterloo, ON, Canada)

Fan, C., Gravestock, J., Cisorio, D. “Impact of Word Tangibility on the Effectiveness of Different Mnemonics”. Social Science Advanced Research Methods Seminar Presentation, University of Waterloo, Dec. 2025 (Waterloo, ON, Canada)

Work Experience

Coco Fresh Tea & Juice Canada / Barista

Oct.2020-Aug. 2023, Toronto

- Processed in-person and online orders
- Made drinks, prepared toppings in kitchen
- Performed cleaning tasks

Awards

University of Waterloo/ Term Distinction

Jan. 2024, May 2024, Jan. 2025 & May. 2025

Service Ontario/ Ontario Volunteer Service Award

Nov. 2023

University of Waterloo/ President's Scholarship

Sept. 2023

Certifications

MoCA Cognition/ Montreal Cognitive Assessment Administration

Dec. 2025

IBM/ Data Analysis with Python

Jun. 2025

CITI Program/ Health Canada Division 5 - Drugs for Clinical Trials

Involving Human Subjects - Students

Jun. 2025

CITI Program/ Good Clinical Practice (GCP) - Canada - Students

Jun. 2025

Government of Canada/ Tri-Council Policy Statement: Ethical Conduct

for Research Involving Humans (TCPS 2: CORE 2022)

Jul. 2024

University of Waterloo/ WHMIS 2015

Sept. 2023