

ANNA ROSE HUNT-ISAAC

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Montreal, QC H3A 1W7

EDUCATION

McGill University

Bachelor of Arts and Science

Honors Cognitive Science

Montreal, QC

Expected Graduation: May 2026

Cumulative GPA: 4.0

Honors: Anne Rabinovitch Memorial Scholarship, Jurate Tanner Scholarship in Science, Faculty of Science Scholarship, James McGill Scholarship, Dean's Honor List

Relevant Coursework: Computational Perception, Biology of Behavior, Neural Basis of Behavior, Affective Neuroscience, Brain-Inspired AI

RESEARCH EXPERIENCE

m2B3 Lab

- Designed and administered visual search-based psychophysics experiments in PsychoPy
- Contributed to the development of MATLAB data analysis pipeline to elucidate patterns in saccadic eye movements

Montreal, QC

May 2025 - Present

PreMiEr NSF REU: Crook Lab

- Developed Python-based genome analysis pipeline to efficiently identify loci for gene insertion
- Conducted various experiments exploring a plasmid and recombination-based system of genetic engineering in the bacterial species *Enterobacter ludwigii*
- Presented work at PreMiEr's research symposium

Raleigh, NC

Summer 2024

Dahan Lab

- Processed linguistic data using ELAN annotation software
- Advanced the course of data analysis through R programming and discussions of underlying theoretical frameworks

Philadelphia, PA

Summer 2023

Penn Computational Cognitive Neuroscience Lab

- Gained foundational knowledge of PsychoPy and the design of digital visual stimuli
- Managed participant recruitment and data collection

Philadelphia, PA

Summer 2023

TECHNICAL SKILLS AND CERTIFICATIONS

- Programming languages: Python, MATLAB, Java, R, Bash, C
- Additional programming platforms/packages: PsychoPy, ELAN
- Graphic design platforms: Adobe Lightroom, Adobe Photoshop, Figma, Procreate
- Laboratory: fundamental microbiology and organic chemistry laboratory techniques, familiarity with use of various machines (thermocycler, electrophoresis device, spectrophotometer, Flow cytometer, etc.)
- Certifications: CITI Human Subjects Research, IGH Biomedical Research, IGH Primary Data Collection with Human Participants, TCPS Research Ethics