Anna Rose Hunt-Isaak

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EDUCATION

McGill University — Montreal, QC
Bachelor of Arts and Science — Expected Graduation: May 2026
Major: Honors Cognitive Science — 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

RESEARCH EXPERIENCE

m2B3 Lab — Montreal, QC
- Refined and administered visual tasks through PsychoPy — May 2025 - Present
- Helped develop data analysis pipeline in MATLAB

PreMiEr NSF REU: Crook Lab — Raleigh, NC
- Wrote Python scripts to efficiently analyze genome structure and help streamline wet lab work — Summer 2024
- 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

Dahan Lab — Philadelphia, PA
- Completed preliminary data processing using ELAN — Summer 2023
- Advanced the course of data analysis through coding work in R and lab meeting discussions

Penn Computational Cognitive Neuroscience Lab — Philadelphia, PA
- Helped with data collection — Summer 2023
- Gained foundational knowledge of PsychoPy and the design of digital visual stimuli
- Contributed to participant recruitment

SKILLS AND CERTIFICATIONS

- Programming languages: Python, Java, R, Bash, C, MATLAB
- 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

Relevant Coursework: Foundations of Programming, Intro to Computer Science, Intro to Software Systems, Algorithms and Data Structures, Computational Perception