

Maggie Chen

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EDUCATION

University of Toronto, Honours Bachelor of Science in Computer Science and Neuroscience **Expected 2024**

- GPA: 3.95/4.00, Computer Science GPA: 4.00/4.00
- Related Coursework: Software Design (Java), Introduction to Computer Science (Python), Probability with Computer Applications (R), Mathematical Expression and Reasoning for Computer Science, Introduction to the Theory of Computation, Data Structures and Analysis, Computer Organization

PROJECTS

Sous-chef (Java with Android GUI, maintained with Git Version Control and Jira)

- An android app that keeps track of various details of the user's food inventory and suggests recipes based on these factors (i.e expiry date). Implemented design principles, design patterns, SOLID principles, clean architecture, and more, making a clean and flexible program that also considers accessibility needs of users.
- Due to issues with email registration, my first few commits/contributions are not recorded on Git.

My Website (HTML, CSS, JavaScript, maintained with Git Version Control) <https://maggiechn20.github.io/>

EXPERIENCE

Affective Science and Culture Lab, Yale University **May 2019 - September 2021**

Research Assistant

- Conduct basic fNIRS data analysis, such as motion artifact detection and correction, using MATLAB applications Homer3 and AtlasViewer.
- To research correlation between culture and emotional granularity, use Nvivo to code and run inter-reliability tests for 25+ participants (in both Mandarin and English).
- Recruit, screen, and schedule meetings with individuals to collect stimuli for research studies. Resulted in the creation of a database of stimuli that were, and can be, used in the lab's research projects.

Snyder Lab, University of British Columbia **August 2019 - November 2020**

Research Assistant Volunteer

- Using ImageJ, map out neurogenesis within 50+ cross sections of amygdalae to research the correlation between neurogenesis and clinical depression.

Second-Year Representative **September 2021 - April 2022**

Neuroscience Association for Undergraduate Students at University of Toronto

- Connect the hundreds of students in the University of Toronto Neuroscience community with neuroscience professionals in various settings through monthly panel and information events.

Organizer, Fridays for Future Toronto **September 2021 - Present**

- Organize rallies and write our demands for events such as the Global Climate Strike (attended by thousands in Toronto, and more than 6 million around the world).
- Discussed, drafted, and revised the TransformTO Net Zero Report with city councillors and other sustainability leaders. On December 15, 2021, the report was adopted by the Toronto City Council.

AWARDS AND SCHOLARSHIPS

The BC Excellence Scholarship from the Province of British Columbia **2020**

- Awarded to the top 55 British Columbia high school graduates who demonstrate service, leadership, and aptitude and commitment to their chosen career paths. Valued at \$5000.

The Clifton Graham Roberts Admission Award @ University of Toronto **2020**

- Awarded to one newly admitted student who is involved in school and community services and has great scholastic achievement. Valued at \$5000.