

## Jessica Qiu

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Markham, ON

### OVERVIEW & OBJECTIVES

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Currently seeking an opportunity to further develop research skills. Enthusiastic and conscientious worker with a passion for helping people. Very organized and detail-oriented personality. Works well in a team environment as well as independently. Future goals include pursuing post-graduate work in the fields of neurobiology and human health.

### EDUCATION

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#### McMaster University, Hamilton, ON

2019 - present

Enrolled in Honours Bachelor of Science Degree, in Psychology, Neuroscience & Behaviour.

#### Member of Aquatic Behavioural Ecology Lab, Hamilton, ON

2021 - present

Working under Dr. Sigal Balshine and Dr. Andy Turko on research involving the influence of temperature on behaviour of the endangered redbreasted dace.

#### Unionville High School, Markham, ON

2015 to 2019

Graduated OSSD, Honour Roll with English Achievement Award for 3 years.

### WORK & VOLUNTEER EXPERIENCE

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#### Research Project Student, McMaster University, Hamilton, ON

2021 - present

- Used BORIS software to collect experimental data from video observations in Dr. Balshine's Aquatic Behavioural Ecology Lab.
- Prepared written summaries of collected data and presented results.
- Trained in CAF Fish Handling, WHMIS, and EOHSS Health and Safety.
- Managed large workloads with minimal supervision while working remotely.

#### Children Ministry Intern, Milliken Christian Community Church Scarborough, ON

2019 & 2020

- Led and prepared work schedule for volunteer teams & planned events with intern team.
- Developed weekly activity plans for children with a focus on cognitive and fine motor skill development through crafts, rudimentary coding, and story time.
- Problem-solved by adapting traditionally in-person events into online format.

#### Camp Counsellor, Village Eulogia for Families with Special Needs, Toronto, ON

2019

- Provided one-on-one support to children with Down's Syndrome and autism.
- Maintained calm and patience when children were agitated by other children and problem-solved to diffuse the situation.
- Learned to be highly observant & communicate creatively with non-verbal children.

#### Fracture Clinic Volunteer, Markham-Stouffville Hospital, Markham, ON

2018

- Organized patient flow calmly under fast-paced environment.
- Supported doctors by preparing clinic rooms for incoming patients.
- Relayed patient and family requests to appropriate staff members.

**Inpatient Mental Care Volunteer, Markham-Stouffville Hospital, Markham, ON** **2017**

- Assisted in reception duties & clerical work under time-constraints, greeted visitors and directed visitor traffic.
- Monitored and organized patient records with attention to detail, while adhering to strict patient confidentiality.

**Summer Daycamp Leader, Milliken Christian Community Church**  
**Scarborough, ON** **2016 – 2020**

- Supervised and interacted with a group of up to 15 children ages 5-8.
- Developed weekly activity plans for children with a focus on cognitive and fine motor skill development through crafts, story time and LEGO Education sets.

**LAB SKILLS** 

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**Biology 1A03**

- Used P20, P200 and P100 micropipettes for making **serial dilutions**.
- Prepared solutions for **polymerase chain reaction (PCR)** tubes by pipetting.
- Assembled and loaded **gel electrophoresis** apparatus for analyzing DNA fragments.
- Created **publication quality figures** with standard deviation bars and standard error bars with Microsoft Excel.

**Chemistry 1A03 & 1AA3**

- Performed quantitative volumetric analysis using **titration**.
- Created a series of solutions to identify the cycles of copper.
- Prepared **ice calorimeter** to measure change in enthalpy of solution.

**ACHIEVEMENTS & EXTRACURRICULARS** 

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**LEAP Canada Creative Director** **2020 - present**

- Developed team branding and website from scratch with creative team.

**SciNapse Science Case Competition, McMaster University** **2019 - 2020**

- Analyzed scientific papers to create novel research proposal.

**English Achievement Award, Unionville Highschool** **2017, 2018 & 2019**

- In recognition of written and spoken English communication skills.

**Student Council Creative Director, Unionville Highschool** **2017 - 2019**

- Led a team to complete creative projects by weekly deadlines.

**Toronto Youth Network Graphic Designer** **2017 – 2019**

- Improved existing branding by turning their vision into new design.

**SKILLS & INTERESTS** 

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**Art & Design:** skilled in Photoshop CC, Illustrator CC, and Sony Vegas Pro for graphic design and video editing, portfolio found at: [jessicaqiu.myportfolio.com](https://jessicaqiu.myportfolio.com)

**Girl Scout (6 Years):** comfortable in the outdoors, can swim & equipped with survival skills.

**Bilingual:** English and conversational Mandarin.

**Programming Software:** some exposure to R for statistics.