

Brendan Lam

Email: brendannathanlam@hotmail.com

EDUCATION

B.A.H **Queen's University, Kingston, ON**
2016 – 2020 Major in Psychology, Arts Minor in Philosophy with Distinction
Thesis: Analyzing the Painful and Provocative Events Scale: A Formative Measurement Approach
Advisor: Dr. Jeremy Stewart

AWARDS AND DISTINCTIONS

2021 Poster Finalist for the International Summit in Suicide Research
2020 Global Undergraduate Awards Highly Commended Research in Psychology
2020 Dean's Honour List with Distinction (GPA in top 3% of Arts and Science Faculty)
2020 Diversifying Psychology Weekend at UNC Chapel Hill Travel Award
2019 Mitacs Globalink Research Award (\$6000)
2019 Journal of Individual Psychology - Student Writing Competition Winner (\$300)
2017 – 2020 Dean's Honour List
2016 Agincourt Collegiate Social Sciences and Humanities Award (\$50)

RESEARCH EXPERIENCE

Research Assistant – Neuropsychology Outcomes via Education and Learning Lab

Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON. PI: Dr. Shannon Scratch

Aug 2020 – Present

Tasks and Responsibilities:

- Coordinated the recruitment, scheduling, and data management of several projects. This included a multi-site intervention study, feasibility interventions, and qualitative research.
- Facilitated with the design, ethics approval, and logistics of several research projects.
- Conducted literature reviews, analyzed data, and helped manage the lab's daily activities.
- What I learned: How to effectively coordinate several projects in the lab. I have also acted as the quantitative consultant on different projects, which improved my communication of statistics and research methods.

Summer Research Student - Neuropsychology Outcomes via Education and Learning Lab

Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON. PI: Dr. Shannon Scratch

June 2020 – Aug 2020

Tasks and Responsibilities:

- Helped write a grant proposal that was submitted to the Canadian Institutes of Health Research.
- Developed a curriculum for an intervention that targets caregivers of youth with persistent post-concussion symptoms.

- What I learned: Learned about the grant writing process and got to consult with social workers and psychologists on the development of cognitive behavioural interventions. This gave me insight on how therapists plan their sessions and how they facilitate connections with the client.

Honours Thesis Student – Queen’s Emotions and Risky Behaviours in Youth Lab

Queen’s University, Kingston, ON. PI: Dr. Jeremy Stewart
2019 – 2020

Tasks and Responsibilities:

- Assessed the psychometric properties of the Painful and Provocative Events Scale.
- Assisted with other research projects, such as running participants through computer tasks and an eye tracking study.
- What I learned: Learned about different measurement models and the causal assumptions of factor analysis. I also taught myself the principles of structural equation modelling. This allowed me to interpret and analyze the results and complete my thesis.

Research Assistant – The Bully Lab

Queen’s University, Kingston, ON. PI: Dr. Wendy Craig
2019 – 2020

Tasks and Responsibilities:

- Conducted literature searches on bullying and intimate partner violence.
- Created infographics that summarized research and traveled to high schools to collect data.
- What I learned: I interacted with adolescents in a research setting, and learned that they tend to have different questions from adult participants. I also learned about knowledge translation and conducting formal literature searches.

Volunteer Research Assistant – Mood Lab

Queen’s University, Kingston, ON. PI: Dr. Kate Harkness
2018 – 2020

Tasks and Responsibilities:

- Rated vignettes to measure the stressfulness of participant’s life events.
- Ran participants through experiments and conducted data entry
- What I learned: I learned about the different ways stress can be measured. I was introduced to interesting research questions on life stress, depression, and theory of mind.

Mitacs Globalink Research Intern

Villanova University, Villanova, PA. PI: Dr. Terence Yee
2019

Tasks and Responsibilities:

- Investigated differences in depression symptoms between European- and Chinese-Americans.
- Designed a study, recruited participants, and analyzed the data.
- What I learned: My first time applying for a research award, developing the research idea, and carrying out the project to its completion. I learned about the nuances involved with online data collection and thinking about cultural differences in psychopathology.

Volunteer Research Assistant – Boundaries of Anxiety and Depression Lab

University of Pennsylvania, Philadelphia, PA. PI: Dr. Ayelet Ruscio

2019

Tasks and Responsibilities:

- Processed physiological signals, operated EEGs, and collected saliva samples.
- Conducted interviews with participants for an ecological momentary assessment study.
- What I learned: Developed an interest in both EEG and EMA research. Learned to administer complicated study procedures, such as acting for a stress task.

Directed Laboratory Student – Popmem Computational Memory Lab

Queen's University, Kingston, ON. PI: Dr. Jordan Poppenk

2018 – 2019

Tasks and Responsibilities:

- Created a survey with Qualtrics and analyzed data using exploratory structural equation modelling.
- Recruited participants for a meta-memory survey. Assessed the survey's test-retest reliability.
- What I learned: I learned about psychometrics and how much is required for construct validation. I also became familiar with different experimental paradigms in cognitive neuroscience.

Volunteer Research Assistant – Culture and Cognition Lab

Queen's University, Kingston, ON. PI: Dr. Li-Jun Ji

2017 – 2018

Tasks and Responsibilities:

- Recruited participants through phone calls and e-mail
- Ran participants through studies and participated in weekly lab meetings.
- What I learned: I became comfortable with calling potential participants and using different methods for recruitment. I learned about cross-cultural and social psychology research.

PEER-REVIEWED PUBLICATIONS

Lam, B. (2019). The Relationship Between Theory of Mind and Social Interest: A Literature Review. *Journal of Individual Psychology*, 75(4), 330 – 342. doi: 10.1353/jip.2019.0021.

Sheldrake, E., AlHakeem, H., **Lam, B.**, Goldstein, B., Wheeler, A., Burke, M., Dunkley, B., Reed, N., & Scratch, S. (Accepted). Mental health outcomes across the lifespan in individuals with persistent post-concussion symptoms (PPCS): A scoping review. *Frontiers in Neurology*.

MANUSCRIPTS UNDER REVIEW

Sheldrake, E., **Lam, B.**, AlHakeem, H., Wheeler, A., Goldstein, B., Dunkley, B., Ameis, S., Reed, N., & Scratch, S. (In review). A scoping review of magnetic resonance modalities used in detection of persistent post-concussion symptoms (PPCS) in pediatric populations.

MANUSCRIPTS IN PREPARATION

Lam, B., Barlow-Krelina, E., Hickling, A., King, G., Lindsay, S., McPherson, A., & Scratch, S. (In prep). Resilience factors that affect the relationship between life stress and psychosocial functioning in youth with neurodevelopmental disorders: a mixed methods systematic review.

CONFERENCE TALKS

Lam, B., & Scratch, S. E. (2021, July). Can We Predict Persistent Post-Concussion Symptoms? A Simulation Study on the Practical and Conceptual Limitations. [Oral Presentation]. 2021 Virtual World Congress of Brain Injury, Virtual, Ireland.

Ramirez, E., Rusyn, R., AlHakeem, H., **Lam, B.,** Provvidenza, C., & Scratch, S. E. (2021, June). Exploring the adaptability of the Teach-ABI eLearning module for high school educators. [Oral Presentation]. Occupational Science and Occupational Therapy Research Day, Toronto, ON.

Rajaram, A., Montagliani, Hickling, A., AlHakeem, H., Provvidenza, C., **Lam, B.,** & Scratch, S. E. (2021, June). *Move and Connect*: Developing an Instructional Resource for a Group-based Active Rehabilitation Youth Program. [Oral Presentation]. Occupational Science and Occupational Therapy Research Day, Toronto, ON.

Lam, B., & Stewart, J. (2021, June). Examining the Replicability in Youth Suicide Research. [Oral Presentation]. 2nd National Conference of the Youth Suicide Research Consortium, Virtual, United States

Lam, B., Hickling, A., Provvidenza, C., Moody, K., AlHakeem, H., & Scratch, S. E. (2020, July). *Move&Connect-Parent*: An Education, Advocacy, and Support for Caregivers of Youth with Persistent Post-Concussion Symptoms. [Oral Presentation]. Holland Bloorview Summer Ward Research Day, Toronto, ON.

CONFERENCE POSTERS

Lam, B., & Stewart, J. G. (2021, October). Towards a Comprehensive Evaluation of the Replicability of Suicide Research: Initial Results from a Growing Database of Hand-Coded Studies [Poster Presentation]. IASR/AFSP International Summit on Suicide Research, Virtual, Spain.

Lam, B., Agnihotri, S., & Scratch, S. E. (2021, September). Understanding the Characteristics of High-Cost Healthcare Users in a Persistent Concussion Clinic for Youth. [Poster Presentation]. American Congress of Rehabilitation Medicine's 98th Annual Conference, Virtual, United States.

Lam, B., & Scratch, S. E. (2021, July). Could Brain Injury Research be in a Replication Crisis? Using the Z-Curve to Assess the Replicability of a Set of Studies. [Poster Presentation]. 2021 Virtual World Congress of Brain Injury, Virtual, Ireland.

Sheldrake, E., AlHakeem, H., **Lam, B.,** & Scratch, S. E. (2020, July). Mental health across the lifespan in individuals with persistent post-concussion symptoms: A scoping review. [Poster

- Presentation]. 2021 Virtual World Congress of Brain Injury, Virtual, Ireland.
- Sheldrake, E., **Lam, B.**, AlHakeem, H., & Scratch, S. E. (2021, July). A scoping review on structural and functional MRI modalities used in diagnostics of persistent post-concussion symptoms (PPCS) in paediatric populations. [Poster Presentation]. 2021 Virtual World Congress of Brain Injury, Virtual, Ireland.
- Marshall, S., Rusyn, R., Ramirez, E., **Lam, B.**, Saly, L., & Scratch, S. E. (2021, July). Adapting the Teach-ABI eLearning Module for High School Educators. [Poster Presentation]. Holland Bloorview Summer Ward Research Day, Toronto, ON.
- Lam, B.**, Agnihotri, S., & Scratch, S. E. (2021, June). Demographic and Clinical Characteristics Associated with Increased Direct Healthcare Costs in Youth with Persistent Post-Concussion Symptoms: A Quantile Regression Analysis. [Poster Presentation]. International Neuropsychological Society's 6th Pacific Rim Conference, Virtual, Australia.
- Sheldrake, E., AlHakeem, H., **Lam, B.**, & Scratch, S. E. (2021, June). Exploring mental health connections across the lifespan in individuals with persistent post-concussion symptoms: A scoping review. [Poster Presentation]. International Neuropsychological Society's 6th Pacific Rim Conference, Virtual, Australia.
- Sheldrake, E., AlHakeem, H., **Lam, B.**, & Scratch, S. E. (2020, November). Exploring mental health outcomes in youth and adults with persistent post-concussion symptoms: A scoping review. [Poster Presentation]. Annual Bloorview Research Institute Childhood Disability Symposium, Toronto, ON.
- Lam, B.**, Hickling, A., Provvidenza, C., Moody, K., AlHakeem, H., & Scratch, S. E. (2020, July). *Move&Connect-Parent: An Education, Advocacy, and Support for Caregivers of Youth with Persistent Post-Concussion Symptoms*. [Poster Presentation]. Holland Bloorview Summer Ward Research Day, Toronto, ON.
- Lam, B.**, & Stewart, J. G. (2020, June). Analyzing the Painful and Provocative Events Scale: A Formative Measurement Approach [Poster Presentation]. Annual Ontario Psychology Undergraduate Thesis Conference, Twitter.
<https://twitter.com/brendannathan1/status/1274025234245521409>

TEACHING AND MENTORING

Tutor for PSYC 301: Advanced Statistical Inference

Queen's University, Kingston, ON

Sept 2019 – Dec 2019

- Offered one-to-one tutoring to students for an undergraduate statistics class
- Helped students with assignments, preparing for exams, and statistics in R

Peer Mentor/Tutor

Ralph Thornton Centre, Toronto, ON

June 2018 – Aug 2018

- Helped Chinese immigrants between ages 5–12 adjust to life in Canada
- Tutored children on written and oral skills in English

- Participated in events and games

CERTIFICATIONS

safeTALK Suicide Alertness Training (2018)

EXPERIENCE WITH CLINICAL AND VULNERABLE POPULATIONS

Peer Support Volunteer

Queen's University, Kingston, ON

Sept 2019 – April 2020

- Provided a safe and confidential area to discuss any problems a person is going through
- Offered support and resources to those struggling with mental health issues
- Completed session reports to shift leaders and discussed how the session went

Summer Camp Counsellor

Central Eglinton Community Centre, Toronto, ON

July 2019 – Aug 2019

- Planned, explained, and participated in activities and games
- Supervised children between ages of 4 – 12
- Maintained cleanliness in the community centre

PROFESSIONAL MEMBERSHIPS

- Psychometric Society
- American Psychological Association Division 5 – Quantitative and Qualitative Methods

SELECTED SKILLS

* Denotes proficiency/extensive experience

Programming Languages: R*, Julia*, Python, HTML, JavaScript

Statistical Software: R*, Julia*, SPSS*, Python, Stan, Matlab, Mplus

Other software and applications: Storyline 360

Survey and Database Management: Qualtrics, REDCap