Xiaoshan Huang

Ph.D. Candidate
Educational & Counselling Psychology, McGill University
Visiting Student Researcher
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Research Interests

Areas: Emotions and Emotion Regulation · Socially-Shared Regulation · Computer-Human Interaction · Social Presence · Teamwork Effectiveness · Multimodal Analysis · Educational Data Mining

My research focuses on learners' **cognitive and affective experience** in technology-rich contexts. I also study mental well-being and coping strategies for learners and teachers in human-computer interactions. I am committed to **using advanced technologies** to benefit learners' **social emotional interactions** and aid **teamwork effectiveness**.

Education

2021-Present	**Ph.D. Learning Sciences, Educational Psychology**, *McGill University*, Montreal, Canada.
	Advisor: Dr. Susanne Lajoie
2025	**Visiting Student Researcher, Graduate School of Education**, *Stanford University*, Palo Alto, USA.
	Host: Dr. Nick Haber
2019-2021	**M.Ed. Educational and Counselling Psychology**, *McGill University*, Montreal, Canada.
2015-2019	**B.A. English Language and Literature**, *Shenzhen University*, Shenzhen, China.
2018	**Certificate of Exchange Student. Cognitive Sciences & British Literature**, *University of California, San Diego*, California, USA.

Awards & Honors

Total awards: ∼**$101,750 USD.**

2025	AIED 2025 Conference Scholarship, *1,500 EUR*
2024	Herschel and Christine Victor Fellowship in Education, *11,000 CAD*
2023	Fonds de recherche du Québec - Société et culture (FRQSC), *83,333 CAD*
2022-2023	Graduate Excellent Award, *20,000 CAD*
2022	Graduate Research Enhancement and Travel (GREAT) Award, *190 CAD*
2022	Education Graduate Students' Society (EGSS) Professional and Research Development Award, *250 CAD*
2021-2022	McGill University International Tuition Scholarship (DFWs), *10,000 CAD*
2021-2022	Educational & Counselling Psychology (ECP) Graduate Excellence Fellowship, *11,800 CAD*
2021	Educational & Counselling Psychology (ECP) Emerging Researcher Award, *8,200 CAD*
2018	USIEA-IELTS Scholarship (awarded by U.S. International Education Association), *1,000 USD*
2017	Foreign Language Exam Scholarship, *200 USD*
Mar. 2017	Excellent Leader in Winter Social Practice, *honorary award*
2016 & 2017	Excellent Student of Art and Sports, *400 USD*
2016	4th Prize in Women's Single in Freshmen Badminton Competition at Shenzhen Univ, *honorary award*

2015 Annual Outstanding Host of the Student Union, *honorary award*

Research Experience

Mar. 2025-Jun. 2025 **Stanford Autonomous Agents Lab**, *Visiting Student Researcher.*
- Lead research on exploring learners' curiosity and engagement in game-based learning environments.
- Coordinate projects investigating learners' behavioral patterns during computer-supported problem-solving tasks.
- Attend and present at lab meetings to exchange ideas and collaborate on future research directions, with a focus on interdisciplinary topics such as artificial intelligence for learning and its applications for human benefit.

Sep. 2019-Present **Advanced Technologies for Learning in Authentic Settings (ATLAS) Research Team**, *Research Assistant.*
- Lead projects in socio-emotional interaction and human-computer interaction within technology-rich learning environments.
- Analyzed multimodal data (behavioral/verbal/physiological) using FaceReader, MATLAB, and Python
- Collaborated in literature searching, writing, and publishing research papers in conference proceedings and followed up with new research protocols.

Internship and Work Experience

Sep. 2019-Dec. 2019 **Bronfman Education Centre, Montreal, Canada**, *Workshop Teacher on Executive Functions.*
- Participated in a structured field work under the supervision of Dr. Carly, Rosenzwieg.
- Developed resources focused on executive function skills for students transitioning from elementary to high schools.
- Identified, planned, and delivered subject-theme educational activities for students in Grade 6 and Grade 7.
- Co-designed training modules with a supportive and high-performing team.

Aug. 2018-Sep. 2019 **Shenzhen Yifeng Global Education, Shenzhen, China**, *IELTS Teacher.*
- Tutored students in English listening, reading, and writing to maximize their understanding and scores.
- Developed academic strategies, reviewed worksheets and created mock tests to prepare students with IELTS exam.
- Guided students to adopt effective strategies to learn English and helped them achieve better performance in the IELTS exam (10 percent higher than their original scores).
- Led and motivated students to complete assignments and helped them improve efficiency and effectiveness in learning.

Sep. 2017-Dec. 2017 **Blang Education Center Co., Ltd., Shenzhen, China**, *English Teacher.*
- Attended teacher training sessions and learned about general teaching standards.
- Assisted supervisors in preparing teaching materials, writing reports, and other academic affairs, improving quality of teaching and working efficiency.
- Taught English to Grade 11 and Grade 12 students, and helped them improve their English grammar, reading, writing, and speaking, and prepare for the Hong Kong Diploma of Secondary Education Examination (HKDSE).
- Collected feedback from students and improved teaching practices.

Publications - Full list on my Google Scholar profile.

Peer-Reviewed Articles

2025 **Huang, X.,** Nguyen, A., & Lajoie. S. P. Investigating the temporal relationship between medical teams' diagnostic actions and SSRL interaction related to changes in heart rate. *European Journal of Psychology of Education.*

2025 Li, S., **Huang, X.,** Wang, T., Zheng, J., & Lajoie, S.P. Using text mining and machine learning to predict reasoning activities from think-aloud transcripts in computer assisted learning. *Journal of Computing in Higher Education*

2024 **Huang, X.,** Zheng, J., Li, S., Zhu, G., Du, H., Zhong, T, Hou, C., & Lajoie, S.P. Investigating the effect of emotional tone on learners' reading engagement and peer acknowledgment in social annotation. *Australasian Journal of Educational Technology.*

2024   **Huang, X.,** & Lajoie, S.P. A scoping review on effective measurements of emotional responses in teamwork contexts. *Current Psychology.*

2024   **Huang, X.,** Li, S., & Lajoie, S.P. Exploring the relationships between learners' social and cognitive presence patterns and peer feedback in digital social reading. *SN Social Sciences.*

2024   Li, S., **Huang, X.,** Lin, L., & Chen, F. Peer interaction in social annotation: How to get upvotes? *British Journal of Educational Technology.*

2024   Nguyen, A., Hong, Y., Huong, D., & **Huang, X.**. Examining doctoral students' regulation of academic writing processes in human-AI collaboration with ChatGPT. *Studies in Higher Education.*

2024   Li, S., **Huang, X.,** Zhu, G., Du, H., Zhong, T., Hou, C., & Zheng, J. Exploring behavioral patterns and their impact on social annotation outcomes. *Journal of Computer Assisted Learning.*

2023   Chen, F., Li, S., Lin, L., & **Huang, X.,**. Identifying temporal trajectories of student engagement in social annotation during online collaborative reading. *Education and Information Technologies.*

2023   Lin, L., Li, S., **Huang, X.,** & Chen, F.. Longitudinal changes of student engagement in social annotation: A growth modeling approach. *Distance Education.*

2023   **Huang, X.,** & Lajoie, S.P. Social emotional interaction in collaborative learning: Why it matters and how can we measure it?. *Social Sciences and Humanities Open.*

2023   **Huang, X.,** Ruiz-Segura, A., Tan, C., Wang, T., Sharma, R., & Lajoie, S.P. Social presence in technology-rich learning environments: A systematic review. *Journal of Information and Learning Sciences.*

2023   **Huang, X.,** Li, S., Wang, T., Pan, Z., & Lajoie, S.P. Exploring the co-occurrence of students' learning behaviours and medical reasoning processes: An epistemic network analysis. *Journal of Computer Assisted Learning.*

2023   Huang, L., Chen,B., Doleck, T., **Huang, X.,** Tan, C., Lajoie, S.P., & Wang, M. Multimodal learning analytics for assessing teachers' self-regulated learning in planning technology-integrated lessons in a computer-based environment. *Education and Information Technologies.*

2023   Wang, T., Li, S., **Huang, X.,** & Lajoie, S. P. Task complexity affects temporal characteristics of self-regulated learning behaviours in an intelligent tutoring system. *Educational Technology Research and Development.*

2023   Jiang, Y., Lin, W., **Huang, X.,** Duan, L., Wu, Y., & Jiang, P. How to prompt training effectiveness? An investigation on achievement goal setting intervention in workplace learning. *Journal of Workplace Learning.*

2022   **Huang, X.,** Huang, L., & Lajoie, S.P. Exploring teachers' emotional experience in TPACK development. *Educational Technology Research and Development.*

2022   Li, S., **Huang, X.,** Wang, T., Pan, Z., & Lajoie, S.P. Examining the interplay between self-regulated learning activities and types of knowledge within a computer-simulated environment. *Journal of Learning Analytics.*

2022   Wang, T., Li, S., **Huang, X.,** Pan, Z., & Lajoie, S. P. Examining students' cognitive load in the context of self-regulated learning with an intelligent tutoring system. *Education and Information Technologies.*

2022   Wang, X., Xue, T., Green, A., Gu, L., He, Y., **Huang, X.,** Jin, Z., & Wu, Y. Workplace learning in china: Transferring training into practice to improve performance. *International Journal for Research in Vocational Education and Training.*

Peer-Reviewed Book Chapters

2023   **Huang, X.,** Li, S., & Lajoie, S.P. The relative importance of cognitive and behavioral engagement to task performance in self-regulated learning with an intelligent tutoring system. In: Frasson, C., Mylonas, P., Troussas, C. (eds) Augmented Intelligence and Intelligent Tutoring Systems. ITS 2023. Lecture Notes in Computer Science, vol 13891. Springer International Publishing.

Peer-Reviewed Conference Proceedings

2025   **Huang, X.,** Zhong T., Wu, H., Wang, Y., Churchill, E., Liu, X., & Shaffer. D.W. (2025, October). *Linking facial recognition of emotions and socially shared regulation in medical simulation.* The ACM SIGCHI Conference on Computer-Supported Cooperative Work & Social Computing (CSCW)

2025   **Huang, X.,** Wu, H., Liu, X., & Lajoie, S.P. (2025, July). *What makes teamwork work? A multimodal case study on emotions and diagnostic expertise in an intelligent tutoring system.* The 26th International Conference on Artificial Intelligence in Education (AIED), Palermo, Italy

2025   **Huang, X.,** Gao, J., & Wu, H. (2025, July). *SSRLBot: Designing and developing a large language model-based agent using socially shared regulated learning.* The 26th International Conference on Artificial Intelligence in Education (AIED), Palermo, Italy

2025   **Huang, X.,** Li, S., Wang T., & Lajoie, S.P. (2025, June). *The effects of emotion regulation and students' perceived challenges on emotion synchrony in collaborative learning.* The Annual Conference of the International Society of the Learning Sciences (ISLS), Helsinki, Finland

2024   Gao, J., **Huang, X.,** & Dubé, A.K. (2024, October). *Studying mobile learning experience via text mining of App store user reviews.* The Annual Conference of the Association for Educational Communications & Technology (AECT), Kansas City, US

2024   Gao, J., **Huang, X.,** Dubé, A.K., & Lobczowski, N.G. (2024, June). *Exploring Duolingo users' learning experience through text mining.* The Annual Conference of the International Society of the Learning Sciences (ISLS), Buffalo, US

2024   Zhu, G., Zhong, T., Du, H., Zheng, J., **Huang, X.,** Li, S., & Hou, C. (2024, June). *Homophily in hybrid learning: Are your top social annotation friends also your offline group members?* The Annual Conference of the International Society of the Learning Sciences (ISLS), Buffalo, US

2024   **Huang, X.,** Wu, H., Liu, X., & Lajoie, S. P. (2024, May). *Examining the role of peer acknowledgements on social annotations: Unraveling the psychological underpinnings.* The ACM CHI Conference on Human Factors in Computing Systems, Honolulu, US

2024   Lin, W., Wang, X., **Huang, X.,** Liang, M & Wu, Y. (2024, March). *Enhancing workplace training efficiency: An exploration of employees' behavioral patterns on training outcome using learning analytics.* The 14th International Learning Analytics and Knowledge (LAK) Conference, Kyoto, Japan. *BEST PRAC REPORT NOMINEE*

2024   Hou, C., Zhu, G., Zheng, J., Li, Li., **Huang, X.,** Zhong, T., Li, S., Du, H., & Ker, C. (2024, April). *Prompt-based and fine-tuned GPT models for context-dependent and independent deductive coding in social annotation.* The 14th International Learning Analytics and Knowledge (LAK) Conference, Kyoto, Japan

2023   **Huang, X.,** Beck, S., Huang, L., & Lajoie, S. P. (2023, June). *Emotion and emotion regulation matter: A case study on teachers' online teaching experience during COVID-19.* The Annual Meeting of the International Society of the Learning Sciences (ISLS), Montreal, Canada

2023   Li, S., Zheng, J., **Huang, X.,** Wang, T., & Lajoie, S. P. (2023, June). *Detection of goal setting and planning in self-regulated learning using machine learning and think-aloud protocols.* The Annual Meeting of the International Society of the Learning Sciences (ISLS), Montreal, Canada

2023   Zheng, J., Li, S., **Huang, X.,** Wang, T., & Lajoie, S. P. (2023, June). *Do thinking styles change with task complexity in problem-solving?* The Annual Meeting of the International Society of the Learning Sciences (ISLS), Montreal, Canada

2020   **Huang, X.,** Huang, L., & Lajoie, S.P. (2020, July). *Relations between SRL and teachers' emotions in technology integration.* The Annual International Conference on Education and New Learning Technologies, Palma, Spain

Manuscripts Under Review or In Preparation

2025   **Huang, X.,** Matin, N., Harley, J. M., Churchill, E., Wiseman, J., & Lajoie. S. P. (Under Review). Shared regulated interactions and emotional arousals in medical diagnosis among residents in virtual simulation: A contrasting case study. *Medical Teacher.*

2025   **Huang, X.,** Zhang, Y., Wang, S., Muis. K., Lajoie. S. P., & Cutumisu, M. (Under Review). Exploring Secondary Students' Body Image Satisfaction from the Lens of Social Cognitive Theory Using Tree-Based Algorithms. *Psychology in the Schools*

2025   Zhang, L.,Wu, H., **Huang, X.,** Duan, T., & Du, H. (Preprint). Automatic deductive coding in discourse analysis using LLM. *arXiv.*

2025   Zhu, G., Zhong, T., Du, H., **Huang, X.,** Zheng, J., Li, S., & Hou, C. (Under Review). Top friends in online social annotation: Offline group affiliation and disciplinary background-based homophily. *The Internet and Higher Education.*

Peer-Reviewed Conference Oral Presentations

2025   **Huang, X.,** Nguyen, A., & Lajoie, S. P. (2025, April). *Investigating the sequential relationships of medical teams' diagnostic actions, SSRL, and changes in heart rate.* E-Lightening Ed-talk at the Annual Meeting of the American Educational Research Association, Denver, US

2024   **Huang, X.,** Matin, N., Harley, M. J., Churchill, E., Wiseman, J., & Lajoie, S. P. (2024, August). *Learners' interactions and emotional arousal in a collaborative diagnostic task: A multi-case study.* Paper presented at the 2024 biannual meeting of the EARLI Sig 8 International Conference on Motivation and Emotion (ICM), Bern, Switzerland

2024   **Huang, X.,** Wu, H., Liu, X., & Lajoie, S. P. (2024, August). *Understanding hot and cold psychological themes in social annotation using machine learning.* Paper presented at the 2024 biannual meeting of the EARLI Sig 8 International Conference on Motivation and Emotion (ICM), Bern, Switzerland

2024   Lobczowski, N. G., Li, S., Chen, M., **Huang, X.,** Gao, J., & Xie, H. (2024, August). *Exploring socioemotional tendencies to situate individuals within groups.* Paper presented as part of a symposium at the 2024 biannual meeting of the EARLI Sig 8 International Conference on Motivation and Emotion, Bern, Switzerland

2024   Lobczowski, N. G., Chen, M., **Huang, X.,** Li, S., & Xie, H. (2024, August). *Socioemotional experiences during collaborate learning: A systematic review.* Paper presented at the 2024 biannual meeting of the EARLI Sig 8 International Conference on Motivation and Emotion, Bern, Switzerland

2024   **Huang, X.,** & Gao, J. (2024, August). *A comprehensive user experience analysis of emotional tones and key themes in ChatGPT reviews.* Poster presented at the annual conference of the American Psychological Association (APA), Seattle, WA, US

2024   Zhang, Y., **Huang, X.,** Wang, S., Song, Y., Jin, HY., & Cutumisu, M. (2024, June). *Employing tree-based algorithms to predict secondary students' body image satisfaction in PISA 2022.* Paper presented at the annual conference of the Canadian Society for the Study of Education (CSSE), Montreal, QC, Canada

2024   **Huang, X.,** Zheng, J., Li, S., & Lajoie, S. P. (2024, April). *Investigating the effect of emotional tone on learners' engagement and peer acknowledgment in social annotation.* Paper presented at the Annual Meeting of the American Educational Research Association, Pennsylvania, US

2024   Li, S., **Huang, X.,** Zhu, G., Du, H., Zhong, T., Hou, C., & Zheng, J. (2024, April). *Behavioral patterns in social annotation and their effects on learning performance.* Paper presented at the Annual Meeting of the American Educational Research Association, Pennsylvania, US

2024   Wang, T., Zheng, J., **Huang, X.,** Chen, M., Ruiz-Segura, A & Lajoie. S.P. (2024, April). *Student engagement profiles in technology-rich environments: What they reveal about motivational beliefs, perceived difficulty, and performance.* Paper presented at the Annual Meeting of the American Educational Research Association, Pennsylvania, US

2024   Zhong, T., Zhu, G., Du, H., **Huang, X.,** Li, S., Zheng, J & Hou, C. (2024, April). *Overlapping between offline and online group membership in a social annotation network.* Paper presented at the Annual Meeting of the American Educational Research Association, Pennsylvania, US

2023   **Huang, X.,** Li, S., Wang, T., & Lajoie, S. P. (2023, August). *Learners' presence patterns and their relationship with peer feedback in digital social reading.* Paper presented at the 20th Biennial European Association for Research on Learning and Instruction (EARLI) Conference, Thessaloniki, Greece

2023   **Huang, X.,** Wang, T., Li, S., Ruiz-Segura, A., Tan, C., & Lajoie, S.P. (2023, April). *Emotion synchrony in collaborative learning: The effects of emotion regulation and students' perceived challenges.* Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, US

2023   **Huang, X.,** Ruiz-Segura, A., Tan, C., Wang, T., Sharma, R., & Lajoie, S.P. (2023, April). *A systematic review of social presence in technology-rich learning environments.* Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, US.

2023   Tan, C., **Huang, X.,** Ruiz-Segura, A., Lajoie, S. P., & Wiseman, J. (2023, April). *Co-occurrence of self-regulated learning and emotions: A case study on learning to manage deteriorating patients.* Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, US.

2023   Tan, C., Wang, T., **Huang, X.,** Lajoie, S. P., & Wiseman, J. (2023, April). *Managing a deteriorating patient: How medical students' self-regulated learning and emotions predict cognitive load.* Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, US.

2023   Ruiz-Segura, A., Wang, T., **Huang, X.,** Tan, C., Zhang, Y., Li., T., & Lajoie, S. P. (2023, April). *Understanding the relationship of flying performance and emotions in an aviation training task.* Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, US.

2023   Wang, T., Ruiz-Segura, A., Li, S., **Huang, X.,** Tan, C., & Lajoie, S. P. (2023, April). *Temporal characteristics of self-regulated learning behaviors influences students' problem-solving efficiency in a technology-rich learning environment.* Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, US.

2023   Wang, T., Zheng, J., Tan, C., Ruiz-Segura, A., **Huang, X.,** & Lajoie, S. P. (2023, April). *Computer-based scaffoldings facilitate students' metacognitive monitoring and problem-solving efficiency in an intelligent tutoring system.* Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, US.

2022   **Huang, X.,** Li, S., Wang, T., Pan, Z., & Lajoie, S.P. (2022, April). *Using epistemic network to explore the co-occurrence of self-regulated learning strategies and medical reasoning processes. Paper presented at the Annual Meeting of the American Educational Research Association, San Diego, California, US.*

2022   **Huang, X.,** Beck, S., Huang, L., & Lajoie, S.P. (2022, April). *Exploring teachers' emotions and emotion regulation in online contexts.* Paper presented at the Annual Meeting of the American Educational Research Association, San Diego, California, US.

2022   Beck, S., **Huang, X.,** Huang, L., & Lajoie, S.P. (2022, April). *Teaching during COVID-19: A grounded theory of instructors' lived experiences and coping in remote/online settings.* Paper presented at the Annual Meeting of the American Educational Research Association Annual Conference, San Diego, California, US.

2022   Ruiz Segura, A., Wang, T., Tan, C., **Huang, X.,** & Lajoie, S. (2022, April). *Feedback as a moderator of the relationship between medical students' achievement goal orientations and emotions.* Paper presented at the Annual Meeting of the American Educational Research Association Conference, San Diego, US.

2022   Wang, T., Li, S., Ruiz-Segura, A., Tan, C., **Huang, X.,** & Lajoie, S.P. (2022, April). *How task complexity affects medical students' self-regulated learning: A process analysis.* Paper presented at the Annual Meeting of the American Educational Research Association Conference, San Diego, US.

2021   **Huang, X.,** Huang, L., & Lajoie, S. P. (2021, April). *Examining teaching experience, prior knowledge and SRL's influence on teachers' epistemic emotions in TPACK.* Paper presented at the Annual Meeting of the American Educational Research Association, Orlando, US.

2021   **Huang, X.** (2021, March). *How can a change laboratory be applied to improve learners' learning behavior?* Paper presented at the McGill's Education Graduate Students' Society (EGSS) Annual Conference, Montreal, QC.

Teaching

2024 Winter   **EDPE 375 Introductory Statistics**, *Teaching Assistant.*
- Assisted the course instructor in the online course that provides an introduction to the fundamentals of descriptive and inferential statistics.
- Attended office hours and replied to students' inquiry about the course regarding topics in descriptive statistics include introduction to statistics, measures of central tendency, variability and correlation.
- Assessed students' assignments on inferential statistics concentrate on basic procedures in between-group hypothesis testing using dependent and independent t-tests and within-group hypothesis testing using correlation.

2023 Fall   **EDPE 640 Emerging Technologies for Educational Change**, *Teaching Assistant.*
- Evaluated, marked and responded to students' reflections and discussions on the discussion forum.
- Assisted the course instructor Dr. Adam Dubé with group presentation submissions.
- Evaluated and marked students' final projects including the annotated bibliographies and papers related to the application of technology in various learning contexts, for instance, virtual reality in medical training, gamed-based learning for children engagement, and generative Artificial Intelligence in education.

2022 Winter   **EDPT 204 Creating and Using Media for Learning**, *Teaching Assistant.*
- Facilitated discussions and responded to students' questions on Perusall, a discussion forum for collaborative learning and knowledge sharing.
- Assisted the instructor with small group discussions and evaluated the lab activities.
- Evaluated and marked students' media products on educational technologies such as Adobe Spark, FlipGrid, and Pear Deck.

Nov. 2021   **EDPE 666 Foundations of Learning Science**, *Guest Speaker.*
- Introduced analytic methods on think-aloud protocols including transcript techniques and codding skills in previous research projects in Learning Sciences.
- Assisted group leader to lead class activity in better knowledge acquisition of the topic.
- Boosted students' critical thinking and answered students' questions in class.

2021 Fall   **EDPT 200 Integrating Educational Technologies in Classrooms**, *Teaching Assistant.*
- Assisted the course instructor's instruction in class and facilitate students with reading materials on Launchpad.
- Helped with the small group discussions, lab activities, and personal website building during the class.
- Evaluated and marked students' weekly journal and critical reflections.

Advising

2024   **Flavie Couillard**, **Psychology Honors Thesis & Best Poster Award**: *Evaluating the functions of facial recognition tools in medical simulation tasks*, co-mentored by Dr. Jason Harley

Assessment and Review Activities

2025 **AIED, Reviewer**

2024 **Behaviour and Information Technology, Invited Reviewer**

2024 **BMC Medical Education, Invited Reviewer**

2023 **International Journal of Human-Computer Interaction, Invited Reviewer**

2023 **Journal of Computer Assisted Learning, Invited Reviewer**

2023 **Journal of Learning Analytics**, **Invited Reviewer**

2023 **European Association for Research on Learning and Instruction (EARLI)**, Section 8 Motivation and Emotion, **Graduate Reviewer**

2022 **Frontiers in Psychology**, the special issue on Methodological and Empirical Advancements in Emotions and their Regulation in Various Collaborative Learning Contexts, **Guest Reviewer**

2022 **Knowledge Management & E-Learning: An International Journal (KM&EL), Reviewer**

2021 **the Annual Meeting of the American Educational Research Association (AERA)**, Division C - Cognitive and Motivational Processes & Special Interest Group (SIG) - Technology, Instruction, Cognition, and Learning, **Graduate Reviewer**

Leadership and Community Activities

2023 Fall **Social Interaction & Research Communication-Doctoral Consortium at McGill ECP**, *Founder*.
- Founded and host bi-weekly online doctoral consortium forums that invites guest speakers from international institutions to share their latest insights in their domain of expertise.
- Facilitated interactions and conversations among invited scholars and graduate students who are interested in learning and/or conducting research on diverse topics in Educational Psychology.

2023 summer **The 20th Biennial European Association for Research on Learning and Instruction (EARLI) Conference**, *Section chair*.
- Host a round-table discussion where four papers presentations were involved on the topic of Teaching Practices as the section chair.
- Facilitated conversations on research thoughts exchange among audience and presenters.

Sep.2022- **The Quebec Scientific Entrepreneurship Program (QcSE)**, *Member*.
Dec.2022
- Participated in a 12-week program subsidized by the Fonds de recherche du Québec.
- Communicated with other STEM and Social Science researchers from Quebec, learned the fundamentals of entrepreneurship, and evaluated an idea's market potential, transforming academic research into a world-changing tech company.

2022 Summer **Educational and Counselling Psychology (ECP) Programs Event**, *Speaker*.
- Discovered, prepared, and presented information about the Learning Sciences concentrations for upcoming graduate students in Educational and Counselling Psychology.

Sep.2021- **Department of Educational Psychology and Counselling Psychology, International Student Group**
Sep.2022 **(ECP-ISG)**, *Community Member*.
- Organized two social events (virtual due to COVID) for supporting international students' mental and social needs.
- Coordinated with community members to hold academic workshops for students on formal writing and professional development.
- Attended committee meetings to discuss potential actions to build up stronger connection in the ECP community and host supportive workshops and events.
- Organized a video competition on the topic "How have you experienced multiculturalism at McGill?".

Nov.2019- Mar.2020	**Department of Educational Psychology and Counselling Psychology at McGill University**, *Hiring Committee – Co-Student Representative.*

- Attended a training on equitable recruitment practices.
- Reviewed and ranked candidates' confidential application documents.
- Attended committee meetings to determine the short list of applicants to be interviewed and organized the "Lunch with ECP Graduate Students."

Mar.2017- Mar.2018	**Shenzhen Lighten Entrepreneurship Promotion Association**, *Coordinator.*

- Participated in the formulation of the Chamber of Commerce to organize programs, committed to internal membership building, and coordinated communication.
- Assisted the founder in publicizing affairs, issued invitation and created sign-up applet to ensure the smooth running of the normal operation and activities.
- Structured meeting record, advanced the implement of proposal.

Workshops

2023 Fall	**CREATE lab Methods workshops**, *Co-Host.*

- Co-host the bi-weekly methodology workshops with Dr. Nikki Lobczowski for training junior PhD students on practical methods applications in their research interests.
- Organized the training of students in qualitative analytics methods such as code mapping and crowdsourcing.
- Worked collaboratively with Dr. Lobczowski to operate the workshops smoothly, including designing the content for workshop flyers, outlining workshop slides and making appointments for meeting cohorts.

Technical and Method Skills

Quantitative Analysis & Modeling	**Software**: MATLAB, SPSS, MPlus, SmartPLS, Epistemic Network Analysis (ENA), Transmodal Analysis (TMA), RapidMiner **Statistical Techniques**: Structural Equation Modeling, Sequential Analysis, Latent Profile Analysis
Machine Learning Programming	**Languages**: Python, R & RStudio **Frameworks**: PyTorch, Scikit-Learn **Applications**: Predictive Modeling, Text Mining (NLP), Classification, Feature Selection
Qualitative Analysis & Multimodal Analysis	**Software**: MAXQDA, NVivo **Methods**: Think-Aloud Protocol Analysis, Multimodal Alignment, Mixed-Method Integration **Transcription Tools**: OpenAI Whisper, Microsoft Azure Cognitive Services **Facial Recognition Tools**: FaceReader (Noldus), iMotions **Physiological Sensors**: Electrodermal Activity (BioPac), Heart Rate Monitoring (Empatica)
Visualization & UX Design	Tableau, Figma, XMind User Journey Mapping, Interface Prototyping
HCI Research	Semi-Structured Interviews, Usability Testing, Affect Coding Protocol Design, Ethics Approval Submissions; Data Fusion across Behavioral, Physiological, and Logfile Data
Languages	English (Fluent), Mandarin (Native), Cantonese (Professional proficiency), French (Elementary)