

Aedan Yue Li

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SUMMARY

RESEARCH INTERESTS:

- Memory & perception, multisensory integration, machine learning, consciousness

TECHNICAL SKILLS:

- Analysis of neuroimaging data; functional connectivity (PLS)
- Psychology survey and behavioural research paradigms
- Advanced data analysis: GLMs, PLS, structural equation modelling, computational modelling, non-parametric statistics, machine learning
- Academic writing, data visualization, literature review, poster design

LANGUAGES AND TECHNOLOGIES:

- Data analysis: MATLAB, SPSS, R, Excel, SQL
- Experiment creation: MATLAB, Python, E-prime, Presentation, PsychoPy, Inquisit
- Questionnaire creation: Qualtrics, SurveyMonkey
- Visual design: Photoshop CS, Illustrator, Blender (3D printing)

STANDARDIZED TESTING:

- GRE – General Test (169V, 162Q, 5AW)

EDUCATION

University of Toronto Ph.D. Psychology – Advisor: Morgan D. Barense	2017 – 2021 (Expected)
University of Toronto M.A. Psychology (GPA: 4.00/4.00) – Advisor: Morgan D. Barense	2016 – 2017
University of Toronto Scarborough Hon. B. Sc. Psychology (GPA: 3.84/4.00) – Honours Thesis: Andy C. H. Lee	2012 – 2016

AWARDS

- **\$70000** – Alexander Graham Bell Canada Graduate Scholarships-Doctoral (CGS D) Award (2019 – 2021)
- **\$560** – SGS Conference Grant (2018)
- **Outstanding Talk Award** – Toronto Area Memory Group (TAMeG) Conference (2018)
- *Shortlisted* – NSERC Postgraduate Scholarships-Doctoral (PGS D) Award (2018)
- **Best Student Poster (Runner Up)** – Lake Ontario Visionary Establishment Conference (2018)
- **\$250** – UTGSU Conference Bursary (2017)
- **\$17500** – Canada Graduate Scholarships-Master's Program (CGS M) Award (2017)
- **\$530** – SGS Conference Grant (2017)
- **\$3823/yr.** – University of Toronto Fellowship Award (2016, 2017, 2018)
- **Finalist** – University of Toronto Scarborough, Undergraduate Research Forum (2016)
- University of Toronto Scarborough Deans List (2013 – 2016)
- 'Budding Scholar' – *for exceptional academic performance in Intro. to Psychology* (2013)
- U of T Education Workers Entrance Scholarship CUPE 3902 (2012)

PUBLICATIONS

1. **Li, A. Y.**, Liang, J., Lee, A. C. H., Barense, M. D. (*Under Review*). Visual interference can help and hinder memory: Measuring memory fidelity using a novel circular shape space.
Preprint: <https://www.biorxiv.org/content/10.1101/535922v1>

TALKS

1. **Li, A. Y.**, Fidalgo, C. O., Liang, J., Lee, A. C. H., & Barense, M. D.* (October, 2018). Dissimilar interference erases, similar interference blurs: The nature of mnemonic interference explored using a novel perceptually uniform shape space. *Memory Disorders Research Society*. Toronto, Canada.
2. **Outstanding Talk Award – Li, A. Y.***, Fidalgo, C. O., Liang, J., Lee, A. C. H., & Barense, M. D. (May 2018). Dissimilar interference erases, similar interference blurs: The nature of mnemonic interference explored using a novel perceptually uniform shape space. *Toronto Area Memory Group*. Toronto, Canada.
3. **Li, A. Y. ***, Fidalgo, C. O., Lee, A. C. H., & Barense, M. D. (June 2017). The impact of mnemonic interference on memory for visual form. *Canadian Society for Brain, Behaviour, and Cognitive Sciences (CSBBCS)*. Regina, Canada. **Session Chair for Psycholinguistics**. URL: https://www.csbbcs.org/ocs/public/conferences/1/schedConfs/1/program-en_US.pdf

CONFERENCE ABSTRACTS

1. Li, A. Y.* , Fukuda, K., & Barense, M. D. (2019). High-fidelity visual features form complex objects. *Lake Ontario Visionary Establishment (LOVE)*. URL: <https://drive.google.com/file/d/1e3YQ5hrD528m0-pSMiEjvn2SDbZTna2O/view>
2. Sone, H.* , Li, A. Y., & Keisuke, F. (Dec 2019). Object-based nature of visual working memory precision. *Lake Ontario Visionary Establishment (LOVE)*. URL: <https://drive.google.com/file/d/1e3YQ5hrD528m0-pSMiEjvn2SDbZTna2O/view>
3. Wang, H.* , Li, A. Y., Stevenson, R. A., & Barense, M. D. (2019). Memory fidelity for objects and temporal binding windows. *Lake Ontario Visionary Establishment (LOVE)*. URL: <https://drive.google.com/file/d/1e3YQ5hrD528m0-pSMiEjvn2SDbZTna2O/view>
4. Li, A. Y. * , Fidalgo, C. O., Liang, J., Lee, A. C. H., & Barense, M. D. (September, 2018). Examining the impact of item-distractor similarity using a validated circular shape space. *Journal of Vision*, 18(10), 817. URL: <https://jov.arvojournals.org/article.aspx?articleid=2699806&resultClick=1>
5. Rusnyak, R. * , Li, A. Y., Tennant, J. M., & Barense, M. D. (Feb 2018). Creation and validation of a perceptually circular sound space. *Lake Ontario Visionary Establishment (LOVE)*. URL: https://drive.google.com/file/d/12l3EWu4B7kU2w_830LlpQ82_92duJ4L/view
6. **Best Student Poster (Runner Up) – Li, A. Y. ***, Rong, M., Stevenson, R. A., & Barense, M. D. (Feb 2018). Separate multisensory perceptual binding measures are differentially associated with spatial and temporal visual working memory. *Lake Ontario Visionary Establishment (LOVE)*. URL: https://drive.google.com/file/d/12l3EWu4B7kU2w_830LlpQ82_92duJ4L/view
7. Sone, H.* , Li, A. Y., & Keisuke, F. (Dec 2017). Object-based nature of visual working memory precision. *University of Toronto Undergraduate Forum*.
8. Li, A. Y. * , Fidalgo, C. O., Lee, A. C. H., & Barense, M. D. (September, 2017). The impact of mnemonic interference on memory for visual form. *Journal of Vision*, 17(10), 96. URL: <https://jov.arvojournals.org/article.aspx?articleid=2650982&resultClick=1>
9. Li, A. Y. * , Fidalgo, C. O., Lee, A. C. H., & Barense, M. D. (Feb 2017). The impact of mnemonic interference on memory for visual form. *Lake Ontario Visionary Establishment (LOVE)*. URL: http://qvcl.queensu.ca/love/programs/2017_46_LOVE_Program.pdf
10. Fidalgo, C. * , Li, Y., Barense, M. D., Lee, A. C. H. (Feb 2016). How Interference Affects Accuracy and Precision for Object Colour and Shape. *Lake Ontario Visionary Establishment (LOVE)*. URL: http://qvcl.queensu.ca/love/LOVE_Poster_sessions_2016.pdf
11. Li, Y.* , Crump, L., Sharma, M., Sacco, R., Smith, E., Saposnik, G. (Feb 2016). Influence of Aversion to Uncertainty in STROKE Care. *Stroke*, 47, TP336. URL: http://stroke.ahajournals.org/content/47/Suppl_1/ATP336.abstract?sid=8d1c12d8-849a-401d-bc17-0239617039d2

12. Crump, L.*, Li, Y., Sharma, M., Sacco, R., Smith, E., Saposnik, G. (Feb 2016). Physicians' Preferences in the Management of Silent Stroke: Results from a Worldwide Survey. *Stroke*, 47, TMP37. URL: http://stroke.ahajournals.org/content/47/Suppl_1/ATMP37.abstract?sid=a8c83401-343c-4420-ad96-0f87f76dfc4c

ACADEMIC & RESEARCH EXPERIENCE

University of Toronto

Sept. 2016 – Present

Teaching Assistant

- PSY280: Sensation & Perception (Jan. 2019 – Present)
- PSY370: Thinking & Reasoning (Sept 2018 – Dec 2018)
- PSY372: Human Memory (July 2018 – Aug 2018)
- PSY280: Sensation & Perception (Jan. 2018 – April 2018)
- PSY270: Intro. to Cognitive Psychology (Jan. 2017 – Dec. 2017); *Guest Lectures – Visual Imagery, Introduction to Memory*
- PSY100: Intro. to Psychology (Sept. 2016 – Dec. 2016)

St. Michael's Hospital

Sept. 2014 – Sept. 2016

Research Student – Gustavo Saposnik

University of Toronto

Apr. 2016 – Sept. 2016

Data Analyst – Postgraduate Medical Education

University of Toronto Scarborough

Sept. 2015 – Apr. 2016

Honours Thesis – Andy C. H. Lee

Rotman Research Institute

May 2015 – Apr. 2016

Research Assistant/Student – Linda Mah

University of Toronto Stroke Program

Sept. 2014 – Dec. 2014

Research Assistant – Three offices: *Toronto Western, Sunnybrook, and St. Michael's Hospital*

Rotman Research Institute

Apr. 2014 – Sept. 2014

Research Assistant – Asaf Gilboa

NON-ACADEMIC EXPERIENCE

WORK AND VOLUNTEER:

- YouthLink, *New Immigrant Program Leader* (2013 – 2014)

- YouthLink, *Leadership Camp Coordinator* (2013)
- Chinese Family Services of Ontario, *Program and Event Planner* (2010 – 2013)
- City of Toronto, *Volunteer Captain and Community Event Planner* (2010 – 2012)

EXTRACURRICULARS:

- Inkblot: The Undergraduate Journal of Psychology, *Graduate Advisor* (2016 – Present)
- Psychology Graduates Students Association; *Graduate-Led Academic Speaker Series (GLASS) Coordinator* (2017 – 2018); *Social Coordinator* (2016 – 2018)

MEMBERSHIP

1. Vision Sciences Society (2017 – Present)
2. Canadian Society for Brain, Behaviour, and Cognitive Sciences (2017 – 2018)

PROFESSIONAL COMMITTEES

1. University of Toronto St. George Graduate Student Representative, *Psychology Graduate Chair Search Committee* (2018)
2. Session Chair, *Canadian Society for Brain, Behaviour, and Cognitive Sciences* (2017).