

## Curriculum Vitae

### William Xiang Quan Ngiam

Department of Psychology  
Biopsychological Research Building  
University of Chicago  
United States  
[wngiam@uchicago.edu](mailto:wngiam@uchicago.edu)

#### Employment

2019 – present      **Postdoctoral Research Fellow**  
University of Chicago (with Professor Edward Awh and Professor Edward Vogel)

#### Education

2015 – 2019      **Doctor of Philosophy** in Psychology  
University of Sydney (Supervisor: Professor Alex Holcombe)

2010 – 2014      **Bachelor of Psychology (Honours)**  
University of Sydney (Supervisor: Dr Patrick Goodbourn)

#### Teaching and Professional Experience

##### Research Assistant

2017      Statistical Assistant/Programmer on University of Sydney Strategic Education Grant/Educational Innovation Grant; *Using interactive learning to integrate statistical theory with contemporary research practices*

2017 – present      Research Assistant on University of Sydney Faculty of Science/Seed Funding; *The development of attentional control in children with and without anxiety*

##### Lecturer

Summer 2018      Science and Statistics in Psychology - Introduction to Psychology (PSYC1001), *University of Sydney*

##### Teaching Assistant

2015 – 2018      Statistics and Research Methods for Psychology (PSYC2012), *University of Sydney*

2015, 2017      Advanced Statistics for Psychology (PSYC3010), *University of Sydney*

2016      Research Methods in Honours Psychology, *University of Sydney*

#### Honours and Awards

2015 – 2019      *Australian Government Department of Education and Training – Research Training Program (RTP)*  
Scholarship to undertake a research doctorate degree, formerly known as the Australian Postgraduate Award (APA).

2015 – 2019      *University of Sydney – Merit Award*  
Top-up scholarship to undertake a research doctorate degree.

2017      *University of Sydney – PsychFEST Award*  
Awarded for an excellent presentation in the School of Psychology's PsychFEST.

2016      *Australian Government Department of Education and Training – Endeavour Research Fellowship*  
Competitive, merit-based scholarship to undertake study and research overseas.

2014      *Australian Psychological Society – APS Prize*  
Awarded for being the top performing student in fourth year psychology (Honours).

## **Publications**

**Ngiam, W.X.Q.**, Khaw, K.L.C., Holcombe, A.O., Goodbourn, P.T. (2018). Visual working memory for letters varies with familiarity but not complexity. *Journal of Experimental Psychology: Learning, Memory and Cognition*. <http://dx.doi.org/10.1037/xlm0000682>

**Ngiam, W.X.Q.**, Brissenden, J.A., Awh, E. (under review) "Memory compression" effects in visual working memory are contingent on explicit long-term memory.

Goodbourn, P.T., Livesey, E.J., **Ngiam, W.X.Q.**, Holcombe, A.O., Forte, J.D. (in prep.). Learning new symbolic representations of number.

Bateman, J.E., Birney, D. P., **Ngiam, W.X.Q.** (2018). Relational encoding in visual working memory: Change detection performance is better for violations in group relations. *PLOS ONE* 13(9): e0203848. <https://doi.org/10.1371/journal.pone.0203848>

## **Talks**

**Ngiam, W.X.Q.**, Khaw, K.L.C., Holcombe, A.O., Goodbourn, P.T. (2018, April). Training recognition familiarity does not improve visual working memory performance. *45<sup>th</sup> Annual Conference of the Australasian Society for Experimental Psychology*, Hobart, Australia.

**Ngiam, W.X.Q.**, Brissenden, J.A., Awh, E. (2017, April). Enhancing visual working memory performance using statistical regularities requires explicit awareness. *44<sup>th</sup> Annual Conference of the Australasian Society for Experimental Psychology*, Newcastle, Australia.

## **Posters**

**Ngiam, W.X.Q.**, Awh, E., Holcombe, A. O. (2019, May). Examining the effects of memory compression with contralateral delay activity. *19<sup>th</sup> Annual Meeting of the Vision Sciences Society*, Florida, United States.

**Ngiam, W.X.Q.**, Khaw, K.L.C., Holcombe, A. O., Goodbourn, P.T. (2018, November). Training recognition familiarity is insufficient to improve visual working memory. *59<sup>th</sup> Annual Meeting of the Psychonomic Society*, New Orleans, United States.

**Ngiam, W.X.Q.**, Brissenden, J.A., Awh, E. (2017, May). Memory compression using statistical regularities requires explicit awareness. *17<sup>th</sup> Annual Meeting of the Vision Sciences Society*, Florida, United States.

**Ngiam, W.X.Q.**, Goodbourn, P.T. (2016, November). Familiarity, but not visual complexity, affects letter encoding in visual working memory. *57<sup>th</sup> Annual Meeting of the Psychonomic Society*, Boston, United States.

**Ngiam, W.X.Q.**, Goodbourn, P.T. (2015, April). Encoding and capacity limits of visual working memory are not set by stimulus complexity. *42<sup>nd</sup> Annual Conference of the Australasian Society for Experimental Psychology*, Sydney, Australia.