

JOAN DANIELLE K. ONGCHOCO

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EDUCATION

Yale-NUS College, Singapore
SUMMA CUM LAUDE

2013-2017

Bachelor of Arts (Hons.) Major Philosophy, Politics & Economics (PPE), Minor in Psychology

Relevant Coursework: Human Neuroscience, Statistical & Research Methods in Psychology, Abnormal Psychology, Cognitive Psychology, Developmental Psychology, Introduction to Psychology, Integrated Science

Relevant Independent Studies: Kant on Cognitive Psychology, Extending Kant to Mental Health

RELEVANT TECHNICAL PROFICIENCIES

- General Programming – *Matlab, Python, HTML, CSS, Javascript*
- Statistical Analysis and Modelling – *R, SPSS, Excel*
- Presentation of Data & Designs – *Adobe Creative Suite, Microsoft Office*

RESEARCH EXPERIENCE

Research Assistant, Yale-NUS College, Singapore

2013 – present

Yale-NUS Cognition & Attention Lab, P.I. Christopher L. Asplund

- Investigates attention and conscious perception as well as the flexibility of working memory through different experimental paradigms like the attentional blink and dual-task designs. Has run over 30 subjects in lab in 1 working memory and 6 attention experiments.
- Set-up and managed the lab—defining laboratory protocol, organizing participant scheduling and lab documentation systems—witnessing it grow to a steady number of 2-3 undergraduate research assistants and 2-3 postgraduate researchers since inception.
- Article in preparation, *Distinct effect of spatial and temporal attention on the perception of contrast*, consists of 6 experiments over the span of 2 years.

Researcher, Yale University, New Haven, CT, USA

2015 – 2016

Yale Visual Cognitive and Neuroscience Lab, P.I. Marvin M. Chun

- Conceptualized, designed and run over 300 subjects for 3 experiments on Amazon's Mechanical Turk platform during a single summer.
- Resulting article, *Statistical learning of movement*, is the first ever peer-reviewed scientific journal article by a Yale-NUS student.

PUBLICATIONS, CONFERENCES & PRESENTATIONS

- 1) Ongchoco, J.D.K., Reid, J., Liaw, G., Asplund, C.L. (2017). Distinct effects of spatial and temporal attention on the perception of contrast. Manuscript in preparation.
- 2) Ongchoco, J.D.K., Reid, J., Liaw, G., Asplund, C.L. (2017). Distinct effects of spatial and temporal attention on the perception of contrast. Poster presented at the Vision Sciences Society annual meeting 2017. Miami, FL, USA.
- 3) Ongchoco, J.D.K., Uddenberg, S., Chun, M.M. (2016). Statistical learning of movement. Poster presented at the Vision Sciences Society annual meeting 2016. Miami, FL, USA.
- 4) Ongchoco, J.D.K., Uddenberg, S., Chun, M.M. (2016). Statistical learning of movement. *Psychonomic Bulletin & Review*.

- 5) Ongchoco, J.D.K., Harris, J. (Harvard), So, B. (HKUST). (2014). Humanities education for non-humanities undergraduates: The student's perspective. Talk given at the Humanities Education forum. Harvard Shanghai Center, Shanghai, China.

OTHER PROFESSIONAL EXPERIENCE

ACCESS Health International Learning / Digital Marketing Intern

Singapore Ministry of Health Supported Modern Aging Accelerator, Singapore *2016 – present*

- Managed the cross-integration of social media and online platforms to promote awareness of the challenges of aging in Asia, connecting entrepreneurs, academic professionals and engineers to develop viable business products that can empower and assist the elderly.
- Social media campaigns reached an organization-record of over 4000 people in Singapore and increased user engagement by 74%.
- Ran 3 focus groups on the challenges of educating Singaporeans about aging and cognitive decline, the discussions in which was translated into a final report submitted to the head office of ACCESS Health International.

CognaLearn Learning/Commercialization Intern

Licensee of Duke-NUS Learning Methodologies, Singapore *2015 – 2016*

- Developed material on the application of cognitive science concepts in the building of accessible teaching tools and executable learning strategies that was presented at 3 conferences in Singapore and the US.
- Assisted in the development of a language-learning mobile application for Singapore tutor centres that applies cognitive science concepts for the optimization of learning Chinese and English. The app has been tested with 50 pilot subjects since.

ACADEMIC HONORS & AWARDS

- Recipient of the Outstanding Capstone Prize in Philosophy, Politics & Economics for “Dynamic Structures of the Mind: A Kantian Framework for the Provisional Status of Thoughts,” 2017
- Recipient of the Yale-NUS College Student External Presentation Award for “Statistical Learning of Movement,” 2016
- Recipient of the Yale-NUS College Science Independent Research Award, 2015
- Recipient of the Yale-NUS College Science Research Program Award, 2014

ACADEMIC SERVICE

Advised in committees and panels on the development of the Yale-NUS common curriculum:

- Participant, Student Advisory for Philosophy, Politics & Economics Major (*Spring 2017*)
- Participant, Student Advisory for Philosophy Major (*Spring 2017*)
- Member, Student Advisory Group to the Dean of Faculty (*Spring 2016*)
- Member, Yale-NUS Meeting with the Minister of Education (*Spring 2016; Spring 2014*)
- Member, Yale-NUS Common Curriculum Panel (*Spring 2014*)

EXTRA-CURRICULAR ACTIVITIES

Yale-NUS Ballroom Dancing Team, Founder and Training Director, *2014-present*

Select awards and recognitions (personal): Champion, Garden City Dance Open 2017 (Amateur Open Category) Singapore Ballroom Dancing Association 2016 Top-ranked Couple (Amateur Rising Star Category); Champion, World Grand Prix 2016 (Amateur Rising Star Category)

Yale-NUS Debate Society, Co-Founder and Head of Internal Affairs, *2013-2015*

Selected awards and recognitions (personal): Chief Adjudicator, Intercollegiate Debate Challenge 2015; Champion, Indonesia Debate Open 2014; Best Speaker, Hong Kong Debate Open 2013, Intercollegiate Debate Challenge 2014