

Tricia J. Ngoon

Email: tngoon@ucsd.edu
Website: tngoon.github.io

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| EDUCATION | Ph.D. in Cognitive Science University of California, San Diego <i>Advisor: Dr. Scott Klemmer</i> | 2015 – |
| | M.S. in Cognitive Science University of California, San Diego <i>Advisor: Dr. Scott Klemmer</i> | 2015 – 2018 |
| | B.A. in Psychology with Honors University of California, Berkeley <i>Honors Thesis Advisor: Dr. Art P. Shimamura</i> | 2010 – 2013 |
| RESEARCH EXPERIENCE | Ph.D Researcher <i>The Design Lab at UC San Diego</i> | 2015 – |
| | User Experience Research Intern <i>NASA Jet Propulsion Laboratory</i> | Summer 2016 |
| | Research Assistant <i>Stanford Cognitive & Systems Neuroscience Lab</i> | |
| | Undergraduate Research Assistant <i>UC Berkeley Helen Wills Neuroscience Institute</i> | 2012 – 2013 |
| | Undergraduate Research Assistant <i>UC Berkeley Human Neuropsychology Lab</i> | 2011 – 2013 |
| PUBLICATIONS | Conference & Journal Papers | |
| | Tricia J. Ngoon, C. Ailie Fraser, Ariel Weingarten, Mira Dontcheva, & Scott Klemmer. 2018. Interactive Techniques for Improving Creative Feedback. To appear in <i>Proceedings of the 36th ACM Conference on Human Factors in Computing Systems (CHI)</i> . | |
| | Christian Battista, Tanya M. Evans, Tricia J. Ngoon, Tianwen Chen, Lang Chen, John Kochalka, & Vinod Menon. 2018. Mechanisms of Interactive Specialization and Emergence of Functional Brain Circuits Supporting Cognitive Development in Children. <i>npj Science of Learning</i> , 3(1). | |
| | Tanya M. Evans, John Kochalka, Tricia J. Ngoon, Sarah Wu, Shaozheng Qin, Christian Battista, & Vinod Menon. 2015. Brain Structural Integrity and Intrinsic Functional Connectivity Forecasts 6-Year Longitudinal Growth in Children’s Numerical Abilities. <i>Journal of Neuroscience</i> , 35(33). 11743-11750. | |

Extended Abstracts & Posters

C. Ailie Fraser, **Tricia J. Ngoon**, Ariel Weingarten, Mira Dontcheva, & Scott Klemmer. 2017. CritiqueKit: A Mixed-Initiative, Real-Time Interface for Improving Feedback. In *Proceedings of the 30th ACM Conference for User Interface Software & Technology (UIST) Companion*.

Tricia J. Ngoon, Alexander Gamero-Garrido, & Scott Klemmer. 2016. Supporting Peer Instruction through Evidence-Based Design of Online Instructional Templates. In *Proceedings of the 3rd ACM Conference for Learning at Scale (L@S)*.

Tricia J. Ngoon, Rachel Chen, Amit Deutsch, & Sean Lip. 2016. Oppia: A Community of Peer Learners to Make Conversational Learning Experiences. In *Proceedings of the 19th ACM Conference on Computer-Supported Cooperative Work & Social Computing (CSCW) Companion*.

Christian Battista, Tanya M. Evans, **Tricia J. Ngoon**, Tianwen Chen, & Vinod Menon. 2014. Six-Year Longitudinal Growth-Curve Modeling of Functional Brain Changes During Problem Solving in Children. *Society for Neuroscience (SfN) Annual Meeting*.

Tanya M. Evans, John Kochalka, **Tricia J. Ngoon**, Christian Battista, & Vinod Menon. 2014. Dorsal-Ventral Visual Stream Structural Integrity and Functional Connectivity Predict 6-Year Longitudinal Growth in Math Skills. *Society for Neuroscience (SfN) Annual Meeting*.

Tricia J. Ngoon & Art P. Shimamura. 2012. The Efficacy of Verbal Retrieval Practice for Long-Term Retention of Information. *Harvard National Collegiate Research Conference (NCRC)*. Cambridge, MA.

TALKS & PRESENTATIONS

Tricia J. Ngoon. Eavesdropping on the Mind. July 2017. Guest lecture for Neurobiology of Cognition (COGS 17) course. UC San Diego

Tricia J. Ngoon. Designing SysML v2: A User-Centered Design Process. March 2017. Presented at the OMG SysML 2.0 Request for Proposal Working Group Meeting. Reston, VA.

Tricia J. Ngoon. Implementing User-Centered Design in the Systems Engineering Process. September 2016. Presented at NASA Jet Propulsion Laboratory. Pasadena, CA.

Tricia J. Ngoon & Art P. Shimamura. The Efficacy of Verbal Retrieval Practice: Implications for Student Learning. August 2012. Presented at the UC Berkeley Summer Undergraduate Research Fellows Conference. Berkeley, CA.

HONORS & AWARDS

Honorable Mention, National Science Foundation Graduate Research Fellowship

2015 – 2016

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| UC San Diego Competitive Edge Graduate Fellowship | 2015 |
| UC Berkeley Regents' & Chancellor's Research Fellowship | 2013 |
| UC Berkeley Summer Undergraduate Research Fellowship | 2012 |
| UC Berkeley Regents' & Chancellor's Scholarship | 2010 – 2013 |

TEACHING EXPERIENCE

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|---|---|
| UC San Diego – Teaching Assistant | |
| COGS 120/CSE 170: Interaction Design | Winter 2018, Fall 2016, Winter 2016 |
| COGS 17: Neurobiology of Cognition | Summer 2017 |
| COGS 122: Interaction Design Startup Studio | Spring 2016 |
| COGS 160: Social Computing | Spring 2016 |

SERVICE & LEADERSHIP

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|---|-------------|
| Graduate Social Event Coordinator | 2017 – |
| <i>UC San Diego Cognitive Science Department</i> | |
| Outreach Committee Co-Lead | 2017 – |
| <i>UC San Diego Graduate Women in Computing</i> | |
| Event Coordinator | 2017 – |
| <i>UC San Diego Graduate Women in Computing</i> | |
| Reviewer | 2017, 2018 |
| <i>ACM Human Factors in Social Computing Systems (CHI)</i> | |
| Graduate Student Representative | 2016 – 2017 |
| <i>UC San Diego Cognitive Science Department</i> | |
| External Vice-President | 2012 – 2013 |
| <i>UC Berkeley Regents' & Chancellor's Scholars Association</i> | |
| Faculty Committee Head | 2011 – 2012 |
| <i>UC Berkeley Regents' & Chancellor's Scholars Association</i> | |
| Performance Coordinator | 2011 – 2013 |
| <i>Cal Wushu</i> | |
