

# Tricia J. Ngoon

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<b>EDUCATION</b>	<b>Ph.D. in Cognitive Science</b> <span style="float: right;"><b>2015 –</b></span> <b>University of California, San Diego</b> <i>Advisor: Dr. Scott Klemmer</i>
	<b>M.A. in Cognitive Science</b> <span style="float: right;"><b>2015 – 2018</b></span> <b>University of California, San Diego</b> <i>Advisor: Dr. Scott Klemmer</i>
	<b>B.A. in Psychology with Honors</b> <span style="float: right;"><b>2010 – 2013</b></span> <b>University of California, Berkeley</b> <i>Honors Thesis Advisor: Dr. Art P. Shimamura</i>

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<b>RESEARCH EXPERIENCE</b>	<b>Ph.D Researcher</b> <span style="float: right;"><b>2015 –</b></span> <i>The Design Lab at UC San Diego</i>
	<b>User Experience Research Intern</b> <span style="float: right;"><b>Summer 2016</b></span> <i>NASA Jet Propulsion Laboratory</i>
	<b>Research Assistant</b> <i>Stanford Cognitive &amp; Systems Neuroscience Lab</i>
	<b>Undergraduate Research Assistant</b> <span style="float: right;"><b>2012 – 2013</b></span> <i>UC Berkeley Helen Wills Neuroscience Institute</i>
	<b>Undergraduate Research Assistant</b> <span style="float: right;"><b>2011 – 2013</b></span> <i>UC Berkeley Human Neuropsychology Lab</i>

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<b>PUBLICATIONS</b>	<b>Conference &amp; Journal Papers</b>
	<b>Tricia J. Ngoon</b> , C. Ailie Fraser, Ariel Weingarten, Mira Dontcheva, & Scott Klemmer. 2018. Interactive Techniques for Improving Creative Feedback. To appear in <i>Proceedings of the 36<sup>th</sup> ACM Conference on Human Factors in Computing Systems (CHI)</i> .
	Christian Battista, Tanya M. Evans, <b>Tricia J. Ngoon</b> , 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, <b>Tricia J. Ngoon</b> , 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 30<sup>th</sup> 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 3<sup>rd</sup> 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 19<sup>th</sup> 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.

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## 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.

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## HONORS & AWARDS

Honorable Mention, National Science Foundation Graduate Research Fellowship **2015 – 2016**

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

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**TEACHING  
EXPERIENCE**

<b>UC San Diego – Teaching Assistant</b>	
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

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**SERVICE &  
LEADERSHIP**

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