

# Tricia J. Ngoon

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EDUCATION	Ph.D. in Cognitive Science University of California, San Diego <i>Advisor: Dr. Scott Klemmer</i>	2015 –
	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 &amp; 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	
	<p>Tricia J. Ngoon, C. Ailie Fraser, Ariel Weingarten, Mira Dontcheva, &amp; Scott Klemmer. 2017. Techniques for Interactive Guidance that Improve Feedback. Under review.</p> <p>Christian Battista, Tanya M. Evans, Tricia J. Ngoon, Tianwen Chen, Lang Chen, John Kochalka, &amp; Vinod Menon. 2017. Mechanisms of Interactive Specialization and Emergence of Functional Brain Circuits Supporting Cognitive Development in Children. Accepted to <i>npj Science of Learning</i>.</p> <p>Tanya M. Evans, John Kochalka, Tricia J. Ngoon, Sarah Wu, Shaozheng Qin, Christian Battista, &amp; 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.</p>	
PUBLICATIONS	Extended Abstracts & Posters	
	<p>C. Ailie Fraser, Tricia J. Ngoon, Ariel Weingarten, Mira Dontcheva, &amp; Scott Klemmer. 2017. CritiqueKit: A Mixed-Initiative, Real-Time Interface for Improving Feedback. In <i>Proceedings of the 30<sup>th</sup> ACM Conference for User Interface Software &amp; Technology (UIST) Companion</i>.</p>	

- Tricia J. Ngoon**, Alexander Gamero-Garrio, & 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*. 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** & Benjamin Inada. 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

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| UCSD Nominee, Microsoft Research Graduate Fellowship                        | <b>2016</b>        |
| Honorable Mention, National Science Foundation Graduate Research Fellowship | <b>2015 – 2016</b> |
| UC San Diego Competitive Edge Graduate Fellowship                           | <b>2015</b>        |
| UC Berkeley Regents' & Chancellor's Research Fellowship                     | <b>2013</b>        |
| UC Berkeley Summer Undergraduate Research Fellowship                        | <b>2012</b>        |
| UC Berkeley Regents' & Chancellor's Scholarship                             | <b>2010 – 2013</b> |
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<b>TEACHING EXPERIENCE</b>	<b>UC San Diego – Teaching Assistant</b>	
	COGS 17: Neurobiology of Cognition	<b>Summer 2017</b>
	COGS 120/CSE 127: Interaction Design	<b>Fall 2016, Winter 2016</b>
	COGS 122: Interaction Design Startup Studio	<b>Spring 2016</b>
	COGS 160: Social Computing	<b>Spring 2016</b>
<b>SERVICE &amp; LEADERSHIP</b>	<b>Outreach Committee Co-Lead</b>	<b>2017 –</b>
	<i>UC San Diego Graduate Women in Computing</i>	
	<b>Event Coordinator</b>	<b>2017 –</b>
	<i>UC San Diego Graduate Women in Computing</i>	
	<b>Volunteer</b>	<b>2017 –</b>
	<i>Birch Aquarium</i>	
	<b>Graduate Student Representative</b>	<b>2016 – 2017</b>
	<i>UC San Diego Cognitive Science Department</i>	
	<b>Reviewer</b>	<b>2016, 2017</b>
	<i>ACM Computer-Human Interaction</i>	
	<b>External Vice-President</b>	<b>2012 – 2013</b>
	<i>UC Berkeley Regents' &amp; Chancellor's Scholars Association</i>	
	<b>Faculty Committee Head</b>	<b>2011 – 2012</b>
	<i>UC Berkeley Regents' &amp; Chancellor's Scholars Association</i>	
	<b>Performance Coordinator</b>	<b>2011 – 2013</b>
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