

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 –
	Interaction Design 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	Full Papers	
	<p>Tricia J. Ngoon, C. Ailie Fraser, Ariel Weingarten, Mira Dontcheva, & 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, & Vinod Menon. 2017. Mechanisms of Interactive Specialization and Emergence of Functional Brain Circuits Supporting Cognitive Development in Children. Under review.</p> <p>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.</p>	
	Extended Abstracts & Posters	
	<p>C. Ailie Fraser, Tricia J. Ngoon, Ariel Weingarten, Mira Dontcheva, & Scott Klemmer. 2017. CritiqueKit: A Mixed-Initiative, Real-Time Interface for Improving Feedback. In <i>Proceedings of the 30th ACM Conference for User Interface Software & 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 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*. 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** & 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.

HONORS & AWARDS

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|---|-------------|
| UCSD Nominee, Microsoft Research Graduate Fellowship | 2016 |
| 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	UC San Diego – Teaching Assistant	
	COGS 17: Neurobiology of Cognition	Summer 2017
	COGS 120/CSE 127: Interaction Design	Fall 2016, Winter 2016
	COGS 122: Interaction Design Startup Studio	Spring 2016
	COGS 160: Social Computing	Spring 2016
SERVICE & LEADERSHIP	Event Coordinator	2017 –
	<i>UC San Diego Graduate Women in Computing</i>	
	Volunteer	2017 –
	<i>Birch Aquarium</i>	
	Graduate Student Representative	2016 – 2017
	<i>UC San Diego Cognitive Science Department</i>	
	Reviewer	2016
	<i>ACM Computer-Human Interaction</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>	
