

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

Christian Battista, Tanya M. Evans, **Tricia 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.

Tanya M. Evans, John Kochalka, **Tricia 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. *Journal of Neuroscience*, 35(33). 11743-11750.

Extended Abstracts & Posters

C. Ailie Fraser, **Tricia Ngoon**, Ariel Weingarten, Mira Dontcheva, & Scott Klemmer. 2017. CritiqueKit: A Mixed-Initiative, Real-Time Interface for Improving Feedback. Demo to be presented at the 30th ACM Conference for User Interface Software & Technology (UIST). Quebec City, Canada.

Tricia Ngoon, Alexander Gamero-Garrio, & Scott Klemmer. 2016. Supporting peer instruction through evidence-based design of online instructional templates. *Proceedings of the 3rd ACM Conference for Learning at Scale (L@S)*. Edinburgh, Scotland, UK.

Tricia Ngoon, Rachel Chen, Amit Deutsch, & Sean Lip. 2016. Oppia: A community of peer learners to make conversational learning experiences. *Proceedings of the 19th ACM Conference on Computer-Supported Cooperative Work & Social Computing (CSCW) Companion*. San Francisco, CA.

Christian Battista, Tanya M. Evans, **Tricia 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*. Washington, D.C.

Tanya M. Evans, John Kochalka, **Tricia 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*. Washington, D.C.

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

Tricia 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 Ngoon & Benjamin Inada. Implementing user-centered design in the systems engineering process. September 2016. Presented at NASA Jet Propulsion Laboratory. Pasadena, CA.

Tricia 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

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

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 <i>UC San Diego Graduate Women in Computing</i>	2017 –
Volunteer <i>Birch Aquarium</i>	2017 –
Graduate Student Representative <i>UC San Diego Cognitive Science Department</i>	2016 – 2017
Reviewer <i>ACM Computer-Human Interaction</i>	2016
External Vice-President <i>UC Berkeley Regents' & Chancellor's Scholars Association</i>	2012 – 2013
Faculty Committee Head <i>UC Berkeley Regents' & Chancellor's Scholars Association</i>	2011 – 2012
Performance Coordinator <i>Cal Wushu</i>	2011 – 2013
