

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 & 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. 2017. Techniques for Interactive Guidance that Improve Feedback. Under Review.	
	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. Accepted to <i>npj Science of Learning</i> .	
	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 <i>Proceedings of the 30th ACM Conference for User Interface Software & Technology (UIST) Companion</i> .	

- 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 (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

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| 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 170: Interaction Design	Fall 2016, Winter 2016
	COGS 122: Interaction Design Startup Studio	Spring 2016
	COGS 160: Social Computing	Spring 2016
SERVICE & LEADERSHIP	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	2016, 2017
	<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>	