

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 –
	M.S. in Cognitive Science University of California, San Diego <i>Advisor: Dr. Scott Klemmer</i>	2015 – 2018
	B.A. in Psychology with Honors University of California, Berkeley <i>Honors Thesis Advisor: Dr. Art P. Shimamura</i>	2010 – 2013
RESEARCH EXPERIENCE	Creative Intelligence Lab Intern <i>Adobe Research</i>	Summer 2019
	Affiliated Ph.D Student Researcher <i>Early Learning & Cognition Lab at UC San Diego</i>	2017 –
	Ph.D Student 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>	2013 – 2015
	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 & Joy Kim. 2019. Thinking with Boxes: Visual Abstraction Facilitates Exploration and Revision in Collaborative Sketching. In submission.	
	C. Ailie Fraser, Tricia J. Ngoon , Mira Dontcheva, & Scott Klemmer. 2019. RePlay: Contextually Presenting Learning Videos across Software Applications. In <i>ACM Human Factors in Computing Systems (CHI) Proceedings</i> . Honorable Mention Award (Top 5%) .	
	Tricia J. Ngoon* , C. Ailie Fraser*, Ariel Weingarten, Mira Dontcheva, & Scott Klemmer. 2018. Interactive Techniques for Improving Creative Feedback. In <i>ACM Human Factors in Computing Systems (CHI) Proceedings</i> . Honorable Mention Award (Top 5%) . (* indicates equal contribution)	

Christian Battista, Tanya M. Evans, **Tricia J. Ngoon**, Tianwen Chen, Lang Chen, John Kochalka, & Vinod Menon. 2018. Mechanisms of Interactive Specialization and Emergence of Functional Brain Circuits Supporting Cognitive Development in Children. *Nature Partner Journals Science of Learning*, 3(1).

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. *Journal of Neuroscience*, 35(33). 11743-11750.

Graduate Symposiums

Tricia J. Ngoon. 2019. Overcoming Satisficing: Scaffolds for Amplifying Creativity. Graduate Student Symposium abstract in *ACM Creativity & Cognition (C&C) Proceedings*.

Tricia J. Ngoon. 2019. Inventive Scaffolds Catalyze Creative Learning. Doctoral Consortium abstract in *ACM Human Factors in Computing Systems (CHI) Proceedings*.

Extended Abstracts

Tricia J. Ngoon, Caren Walker, & Scott Klemmer. 2019. The Dark Side of Satisficing: Setting the Temperature of Creative Thinking. In *ACM Creativity & Cognition (C&C) Proceedings*.

Samuel Lau, **Tricia J. Ngoon**, Vineet Pandey, & Scott Klemmer. 2019. Experiment Reconstruction Reduces Fixation on Surface Details of Explanations. In *ACM Creativity & Cognition (C&C) Proceedings*.

Michael Arbib, **Tricia J. Ngoon**, & Eric Janes. 2018. From Neural Space to Physical Space: Giving a "Brain" to a Building. Poster at *Academy of Neuroscience for Architecture (ANFA)* conference.

C. Ailie Fraser, **Tricia J. Ngoon**, Ariel Weingarten, Mira Dontcheva, & Scott Klemmer. 2017. CritiqueKit: A Mixed-Initiative, Real-Time Interface for Improving Feedback. In *ACM 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 *ACM Learning at Scale (L@S) Proceedings*.

Tricia J. Ngoon, Rachel Chen, Amit Deutsch, & Sean Lip. 2016. Oppia: A Community of Peer Learners to Make Conversational Learning Experiences. In *ACM Computer-Supported Cooperative Work & Social Computing (CSCW) Companion*.

HONORS & AWARDS

Selected for Rising Stars in EECS Workshop	2019
Honorable Mention Paper Award, ACM Human Factors in Computing Systems (CHI)	2019

Honorable Mention Paper Award, ACM Human Factors in Computing Systems (CHI)	2018
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 – Instructor of Record
 DSGN 90: Web Programming Design Seminar

UC San Diego – Teaching Assistant
 DSGN 1: Design of Everyday Things
 COGS 17: Neurobiology of Cognition
 COGS 120/CSE 170: Interaction Design
 COGS 122: Interaction Design Startup Studio
 COGS 160: Social Computing

INVITED TALKS

Berkeley Institute of Design Seminar. Berkeley, CA.	Sept 2019
Stanford HCI Seminar. Palo Alto, CA.	Aug 2019
Cognition at the Shore Speaker Series. San Diego, CA.	Mar 2019
Guest lecture for Neurobiology of Cognition. San Diego, CA.	July 2017
OMG SysML Working Group presentation. Reston, VA.	Mar 2017
NASA Jet Propulsion Laboratory internship talk. La Canada Flintridge, CA.	Sept 2016
UC Berkeley Summer Undergraduate Research Fellows Conference presentation. Berkeley, CA.	Aug 2012

SERVICE & LEADERSHIP

Leadership	
Student Volunteer Co-Chair <i>ACM Creativity & Cognition (C&C)</i>	2019
Graduate Social Events Coordinator <i>UC San Diego Cognitive Science Department</i>	2017 – 2019
Event Coordinator <i>UC San Diego Graduate Women in Computing</i>	2017 – 2018
Graduate Student Representative <i>UC San Diego Cognitive Science Department</i>	2016 – 2017
External Vice-President <i>UC Berkeley Regents' & Chancellor's Scholars Association</i>	2012 – 2013
Performance Coordinator <i>Cal Wushu</i>	2011 – 2013

Faculty Committee Co-Chair**2011 – 2012***UC Berkeley Regents' & Chancellor's Scholars Association***Reviewer***Cognitive Science Society Conference***2019***ACM Human Factors in Computing Systems (CHI)***2017 – 2019****Mentorship***Vivian Leung, Undergraduate Research Assistant***2019 –***Christyn Jackson, Undergraduate Research Assistant***2019***Michelle Lee, Research Assistant***2018 – 2019***Nicolas La Polla, Undergraduate Research Assistant***2018 – 2019***Jasper Travers, Undergraduate Research Assistant***2017**
