Tricia J. Ngoon

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EDUCATION		
	Ph.D. in Cognitive Science University of California, San Diego *Advisor: Dr. Scott Klemmer*	2015 –
	M.S. in Cognitive Science University of California, San Diego *Advisor: Dr. Scott Klemmer*	2015 – 2018
	B.A. in Psychology with Honors University of California, Berkeley *Honors Thesis Advisor: Dr. Art P. Shimamura*	2010 – 2013

RESEARCH EXPERIENCE		
	Creative Intelligence Lab Intern *Adobe Research*	Summers 2019, 2020
	Affiliated Ph.D Student Researcher *Early Learning & Cognition Lab at UC San Diego*	2017 –
	Ph.D Student Researcher *The Design Lab at UC San Diego*	2015 –
	User Experience Research Intern *NASA Jet Propulsion Laboratory*	Summer 2016
	Research Assistant *Stanford Cognitive & Systems Neuroscience Lab*	2013 – 2015
	Undergraduate Research Assistant *UC Berkeley Helen Wills Neuroscience Institute*	2012 – 2013
	Undergraduate Research Assistant *UC Berkeley Human Neuropsychology Lab*	2011 – 2013

PUBLICATIONS

Conference & Journal Papers

Tricia J. Ngoon & Joy Kim. 2020. Keeping it Simple Sketches: Visual Abstraction Enables Collaborative Exploration & Revision. Under review.

C. Ailie Fraser, **Tricia J. Ngoon**, Mira Dontcheva, & Scott Klemmer. 2019. RePlay: Contextually Presenting Learning Videos across Software Applications. In *ACM Human Factors in Computing Systems (CHI) Proceedings.* 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 *ACM Human Factors in Computing Systems (CHI) Proceedings.* 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 123: 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**
NASA Jet Propulsion Laboratory Internship talk. La Canada Flintridge, CA.	**Sept 2016**
UC Berkeley Summer Undergraduate Research Fellows Conference. Berkeley, CA.	**Aug 2012**

SERVICE & LEADERSHIP

Leadership

Head Teaching Assistant	**2019 – 2020**
UC San Diego Cognitive Science Department	
Student Volunteer Co-Chair	**2019**
ACM Creativity & Cognition (C&C)	
Graduate Social Events Coordinator	**2017 – 2019**
UC San Diego Cognitive Science Department	
Event Coordinator	**2017 – 2018**
UC San Diego Graduate Women in Computing	
Graduate Student Representative	**2016 – 2017**
UC San Diego Cognitive Science Department	
External Vice-President	**2012 – 2013**
UC Berkeley Regents' & Chancellor's Scholars Association	

Performance Coordinator   **2011 – 2013**
Cal Wushu
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 – 2020**

Mentorship

Vivian Leung, *Undergraduate Research Assistant*   **2019**
Zhaoyi Huang, *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**