

# Tricia J. Ngoon

Email: [tngoos@ucsd.edu](mailto:tngoos@ucsd.edu)  
Website: [tngoos.github.io](https://tngoos.github.io)

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 &amp; 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 &amp; 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	
	C. Ailie Fraser, <b>Tricia J. Ngoon</b> , Mira Dontcheva, & Scott Klemmer. 2019. RePlay: Contextually Presenting Learning Videos across Software Applications. To appear in <i>ACM Human Factors in Computing Systems (CHI) Proceedings</i> . <b>Honorable Mention Award (Top 5%)</b> .	
	<b>Tricia J. Ngoon*</b> , 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> . <b>Honorable Mention Award (Top 5%)</b> . (* indicates equal contribution)	
	Christian Battista, Tanya M. Evans, <b>Tricia J. Ngoon</b> , Tianwen Chen, Lang Chen, John Kochalka, & Vinod Menon. 2018. Mechanisms of Interactive Specialization and Emergence of Functional Brain Circuits Supporting Cognitive Development in Children. <i>Nature Partner Journals Science of Learning</i> , 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 to appear in *ACM Creativity & Cognition (C&C) Proceedings*.

**Tricia J. Ngoon**. 2019. Inventive Scaffolds Catalyze Creative Learning. Doctoral Consortium abstract to appear 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. To appear 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. To appear 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*.

<b>HONORS &amp; AWARDS</b>	Honorable Mention Paper Award, ACM Human Factors in Computing Systems (CHI)	<b>2019</b>
	Honorable Mention Paper Award, ACM Human Factors in Computing Systems (CHI)	<b>2018</b>
	Honorable Mention, National Science Foundation Graduate Research Fellowship	<b>2015 – 2016</b>
	UC San Diego Competitive Edge Graduate Fellowship	<b>2015</b>
	UC Berkeley Regents’ & Chancellor’s Research Fellowship	<b>2013</b>

UC Berkeley Summer Undergraduate Research Fellowship 2012

UC Berkeley Regents' & Chancellor's Scholarship 2010 – 2013

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**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

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**SERVICE &  
LEADERSHIP**

**Leadership**

**Student Volunteer Co-Chair** 2018 –

*ACM Creativity & Cognition (C&C)*

**Graduate Social Events Coordinator** 2017 –

*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 – 2019

**Mentorship**

*American Specialty Health x Design Lab Mentor* 2019 –

*Christyn Jackson, Undergraduate Research Assistant* 2019 –

*Michelle Lee, Research Assistant* 2018 –

*Nicolas La Polla, Undergraduate Research Assistant* 2018 –

*Jasper Travers, Undergraduate Research Assistant* 2017

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