

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

Graduate Student Research Intern <i>Adobe Research</i>	Summer 2019
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

- C. Ailie Fraser, **Tricia J. Ngoon**, Mira Dontcheva, & Scott Klemmer. 2019. RePlay: Contextually Presenting Learning Videos across Software Applications. To appear in *ACM Human Factors in Computing Systems (CHI) Proceedings*.
- 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.

Extended Abstracts & Posters

Tricia J. Ngoon, Caren Walker, & Scott Klemmer. 2019. The Dark Side of Satisficing. In prep.

Samuel Lau, **Tricia J. Ngoon**, Vineet Pandey, & Scott Klemmer. 2019. Experiment Reconstruction Briefly Improves Experiment Evaluation. In prep.

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

C. Ailie Fraser, **Tricia J. Ngoon**, Ariel Weingarten, Mira Dontcheva, & Scott Klemmer. 2017. CritiqueKit: A Mixed-Initiative, Real-Time Interface for Improving Feedback. In *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 *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 *Computer-Supported Cooperative Work & Social Computing (CSCW) Companion*.

HONORS & AWARDS	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 120/CSE 170: Interaction Design

COGS 17: Neurobiology of Cognition

COGS 122: Interaction Design Startup Studio

SERVICE & LEADERSHIP	Student Volunteer Co-Chair	2018 –
	<i>ACM Creativity & Cognition (C&C)</i>	
	Graduate Social Events Coordinator	2017 –
	<i>UC San Diego Cognitive Science Department</i>	
	Reviewer	2019
	<i>Cognitive Science Society</i>	
	Reviewer	2017 – 2019
	<i>ACM Human Factors in Computing Systems (CHI)</i>	
	Event Coordinator	2017 – 2018
	<i>UC San Diego Graduate Women in Computing</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>	
	Performance Coordinator	2011 – 2013
	<i>Cal Wushu</i>	
	Faculty Committee Co-Chair	2011 – 2012
	<i>UC Berkeley Regents' & Chancellor's Scholars Association</i>	
