Tricia J. Ngoon

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Website: tngoon.github.io

EDUCATION

Ph.D. in Cognitive Science — **2015 –**
University of California, San Diego
Advisor: Dr. Scott Klemmer

M.S. in Cognitive Science — **2015 – 2018**
University of California, San Diego
Advisor: Dr. Scott Klemmer

B.A. in Psychology with Honors — **2010 – 2013**
University of California, Berkeley
Honors Thesis Advisor: Dr. Art P. Shimamura

RESEARCH EXPERIENCE

Creative Intelligence Lab Intern — **Summer 2019**
Adobe Research

Affiliated Ph.D Student Researcher — **2017 –**
Early Learning & Cognition Lab at UC San Diego

Ph.D Student Researcher — **2015 –**
The Design Lab at UC San Diego

User Experience Research Intern — **Summer 2016**
NASA Jet Propulsion Laboratory

Research Assistant — **2013 – 2015**
Stanford Cognitive & Systems Neuroscience Lab

Undergraduate Research Assistant — **2012 – 2013**
UC Berkeley Helen Wills Neuroscience Institute

Undergraduate Research Assistant — **2011 – 2013**
UC Berkeley Human Neuropsychology Lab

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.* **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 160: Social Computing

INVITED TALKS

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 **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 – 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**