Tricia J. Ngoon

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Website: tngoon.github.io

EDUCATION		
Ph.D. in Cognitive Science		2015 – 2021
University of California, San Diego		
Advisor: Dr. Scott Klemmer		
Committee: Dr. Caren Walker, Dr. Joy Kim, Dr. Philip Guo, Dr. Steven Dow, & Dr. William Griswold		
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		

RESEARCH EXPERIENCE		
Postdoctoral Fellow		2021 –
Carnegie Mellon University Human-Computer Interaction Institute		
Affiliated Ph.D Student Researcher		2017 – 2021
Early Learning & Cognition Lab at UC San Diego		
Ph.D Student Researcher		2015 – 2021
The Design Lab at UC San Diego		
Creative Technologies Lab Intern		Summer 2020
Adobe Research		
Creative Intelligence Lab Intern		Summer 2019
Adobe Research		
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

Tricia J. Ngoon, Joy O. Kim, & Scott Klemmer. 2021. Shöwn: Adaptive Conceptual Guidance Aids Example Use in Creative Tasks. In *ACM Designing Interactive Systems (DIS) Proceedings.*

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.

Dissertation

Tricia J. Ngoon. 2021. Interactive Attunement Catalyzes Creative Learning.
  UC San Diego PhD Dissertation.

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, Joy O. Kim, Caren M. Walker, & Scott Klemmer. 2020.
  Amplifying Exploratory Thinking through Creativity Support Tools.
  In *ACM Human Factors in Computing Systems (CHI) "Where Art Meets
  Technology" Workshop.*

Tricia J. Ngoon, Caren M. 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.*

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	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 112: Psychology of Humor

COGS 120/CSE 170: Interaction Design

COGS 122: Interaction Design Startup Studio

COGS 123: Social Computing

INVITED TALKS		
	University of Wisconsin, Madison HCI Seminar. Virtual.	Nov 2020
	UC San Diego Cognitive Science Students Association Speaker Series. San Diego, CA.	Feb 2020
	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
	Harvard Undergraduate Research Conference. Cambridge, MA.	Jan 2013
	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

ACM Ubiquitous Computing (IMWUT)

ACM Creativity & Cognition (C&C)

ACM Computer-Supported Cooperative Work (CSCW)

American Education Research Association (AERA)

ACM Designing Interactive Systems (DIS)

Cognitive Science Society Conference

ACM Human Factors in Computing Systems (CHI)

Mentorship

Prasoon Pratidar, *PhD Student*

Vikram Cannanure, *PhD Student*

Haley Litt, *Undergraduate Research Assistant*

Banso Nguyen, *Undergraduate Research Assistant*

Vivian Leung, *Undergraduate Research Assistant*

Michelle Lee, *Research Assistant*

Nicolas La Polla, *Undergraduate Research Assistant*

Jasper Travers, *Undergraduate Research Assistant*