Tricia J. Ngoon

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Website: tngoon.github.io

EDUCATION		
	Ph.D. in Cognitive Science **University of California, San Diego** *Advisor: Dr. Scott Klemmer*	**2015 – 2021**
	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		
	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 –**
	Creative Technologies Lab Intern *Adobe Research*	**Summer 2020**
	Creative Intelligence Lab Intern *Adobe Research*	**Summer 2019**
	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 O. Kim, & Scott Klemmer. Thinking with Boxes. Tools for Abstraction Enable Flexible Creative Work. Under review.

Vineet Pandey, **Tricia J. Ngoon**, & Samuel Lau. Constructive Activities for Supporting People's Creative Scientific Insights. Under review.

Tricia J. Ngoon, Joy O. Kim, & Scott Klemmer. Shöwn: Adaptive Conceptual Guidance Aids Example Use in Creative Tasks. To appear 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.

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	**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 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**
	OMG SysML Working Group Meeting. Virtual.	**Sept 2016**
	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 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

Vivian Leung, *Undergraduate Research Assistant*

Michelle Lee*, Research Assistant*

Nicolas La Polla*, Undergraduate Research Assistant*

Jasper Travers, *Undergraduate Research Assistant*