

# Tricia J. Ngoon

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

EDUCATION	<b>Ph.D. in Cognitive Science</b> <span style="float: right;">2015 –</span> <b>University of California, San Diego</b> <i>Advisor: Dr. Scott Klemmer</i>
	<b>M.S. in Cognitive Science</b> <span style="float: right;">2015 – 2018</span> <b>University of California, San Diego</b> <i>Advisor: Dr. Scott Klemmer</i>
	<b>B.A. in Psychology with Honors</b> <span style="float: right;">2010 – 2013</span> <b>University of California, Berkeley</b> <i>Honors Thesis Advisor: Dr. Art P. Shimamura</i>

---

RESEARCH EXPERIENCE	<b>Ph.D Researcher</b> <span style="float: right;">2015 –</span> <i>The Design Lab at UC San Diego</i>
	<b>User Experience Research Intern</b> <span style="float: right;">Summer 2016</span> <i>NASA Jet Propulsion Laboratory</i>
	<b>Research Assistant</b> <span style="float: right;">2013 – 2015</span> <i>Stanford Cognitive &amp; Systems Neuroscience Lab</i>
	<b>Undergraduate Research Assistant</b> <span style="float: right;">2012 – 2013</span> <i>UC Berkeley Helen Wills Neuroscience Institute</i>
	<b>Undergraduate Research Assistant</b> <span style="float: right;">2011 – 2013</span> <i>UC Berkeley Human Neuropsychology Lab</i>

---

## PUBLICATIONS

### Conference & Journal Papers

**Tricia J. Ngoon**, C. Ailie Fraser, Ariel Weingarten, Mira Dontcheva, & Scott Klemmer. 2018. Interactive Techniques for Improving Creative Feedback. In *Human Factors in Computing Systems (CHI) Proceedings*.  
**\*Honorable Mention Award (Top 5%)**.

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

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*.

Christian Battista, Tanya M. Evans, **Tricia J. Ngoon**, Tianwen Chen, & Vinod Menon. 2014. Six-Year Longitudinal Growth-Curve Modeling of Functional Brain Changes During Problem Solving in Children. *Society for Neuroscience (SfN) Annual Meeting*.

Tanya M. Evans, John Kochalka, **Tricia J. Ngoon**, Christian Battista, & Vinod Menon. 2014. Dorsal-Ventral Visual Stream Structural Integrity and Functional Connectivity Predict 6-Year Longitudinal Growth in Math Skills. *Society for Neuroscience (SfN) Annual Meeting*.

**Tricia J. Ngoon** & Art P. Shimamura. 2012. The Efficacy of Verbal Retrieval Practice for Long-Term Retention of Information. *Harvard National Collegiate Research Conference (NCRC)*. Cambridge, MA.

---

## TALKS & PRESENTATIONS

**Tricia J. Ngoon**. Eavesdropping on the Mind. July 2017. Guest lecture for Neurobiology of Cognition (COGS 17) course. UC San Diego

**Tricia J. Ngoon**. Designing SysML v2: A User-Centered Design Process. March 2017. Presented at the OMG SysML 2.0 Request for Proposal Working Group Meeting. Reston, VA.

**Tricia J. Ngoon**. Implementing User-Centered Design in the Systems Engineering Process. September 2016. Presented at NASA Jet Propulsion Laboratory. Pasadena, CA.

**Tricia J. Ngoon** & Art P. Shimamura. The Efficacy of Verbal Retrieval Practice: Implications for Student Learning. August 2012. Presented at the UC Berkeley Summer Undergraduate Research Fellows Conference. Berkeley, CA.

---

## HONORS & AWARDS

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 – Teaching Assistant**  
COGS 120/CSE 170: Interaction Design **Winter 2018,  
Fall 2016,  
Winter 2016**  
COGS 17: Neurobiology of Cognition **Summer 2017**  
COGS 122: Interaction Design Startup Studio **Spring 2016**  
COGS 160: Social Computing **Spring 2016**

---

**SERVICE &  
LEADERSHIP**

**Graduate Social Event Coordinator** **2017 –**  
*UC San Diego Cognitive Science Department*  
**Outreach Committee Co-Lead** **2017 –**  
*UC San Diego Graduate Women in Computing*  
**Event Coordinator** **2017 –**  
*UC San Diego Graduate Women in Computing*  
**Reviewer** **2017, 2018**  
*ACM Human Factors in Social Computing Systems (CHI)*  
**Graduate Student Representative** **2016 – 2017**  
*UC San Diego Cognitive Science Department*  
**External Vice-President** **2012 – 2013**  
*UC Berkeley Regents' & Chancellor's Scholars Association*  
**Faculty Committee Head** **2011 – 2012**  
*UC Berkeley Regents' & Chancellor's Scholars Association*  
**Performance Coordinator** **2011 – 2013**  
*Cal Wushu*

---