

Tricia J. Ngoon

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Education

University of California, San Diego | 2015 – Present

La Jolla, CA

Doctor of Philosophy (PhD) in Cognitive Science

University of California, Berkeley | 2010 – 2013

Berkeley, CA

Bachelors of Arts (B.A.) in Psychology | Honors | GPA: 3.60

Regents' & Chancellor's Scholarship | Psi Chi Honors Society in Psychology

Fellowships & Awards

Microsoft Research Fellowship –UCSD Nominee 2016

NSF Graduate Research Fellowship –Honorable Mention 2016

UC San Diego Competitive Edge Graduate Fellowship 2015

UC Berkeley Regents' & Chancellor's Research Fellowship 2013

UC Berkeley Summer Undergraduate Research Fellowship 2012

Research Positions

The Design Lab

UC San Diego

Graduate Student Researcher

June 2015 – Present

Advisor: Scott Klemmer

Stanford Cognitive & Systems Neuroscience Laboratory

Stanford University

Research Assistant

June 2013 – June 2015

Advisor: Vinod Menon

Helen Wills Neuroscience Institute

UC Berkeley

Undergraduate Research Associate

February 2012 – May 2013

Advisor: William Jagust

Shimamura Human Neuropsychology Laboratory

UC Berkeley

Undergraduate Honors Thesis Student

June 2011 – May 2013

Advisor: Art Shimamura

Other Experience

NASA Jet Propulsion Laboratory

California Institute of Technology

Interaction Design Research Intern

June 2016 – September 2016

The Oppia Foundation

User Experience Researcher

August 2015 – March 2016

Research Publications

Evans, T.M., Kochalka, J., **Ngoon, T.J.**, Wu, S., Qin, S., Battista, C., & Menon, V. (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

Ngoon, T.J., Gamero-Garrido, A., & Klemmer, S. (2016). Supporting peer instruction with evidence-based online instructional templates. Work-in-progress presented at the 3rd ACM Conference on Learning at Scale. Edinburgh, Scotland, UK.

Ngoon, T.J., Chen, R., Deutsch, A., & Lip, S. (2016). "Oppia: A community of peer learners to make conversational learning experiences". Demo presented at the 19th ACM Conference on Computer Supported Cooperative Work & Social Computing. San Francisco, CA.

Posters

- Battista, C., Evans, T.M., **Ngoon, T.J.**, Chen, T., & Menon, V. (2014) "Six-year longitudinal growth-curve modeling of functional brain changes during problem solving in children". Poster presented at the Society for Neuroscience (SfN) Annual Meeting. Washington, D.C.
- Evans, T.M., Kochalka, J., **Ngoon, T.J.**, Battista, C., & Menon, V. (2014). "Dorsal-ventral visual stream structural integrity and functional connectivity predict 6-year longitudinal growth in math skills". Poster presented at the Society for Neuroscience (SfN) Annual Meeting. Washington, D.C.
- Ngoon, T.J.** & Shimamura, A.P. (2013) "The efficacy of verbal retrieval practice for academic information". Poster presented at the Harvard National Collegiate Research Conference. Cambridge, MA.
- Ngoon, T.J.** & Shimamura, A.P. (2012) "The efficacy of verbal retrieval practice: Implications for student learning". Presentation at the UC Berkeley Summer Undergraduate Research Fellowship Conference. Berkeley, CA.
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Teaching Experience

UCSD

Human-Computer Interaction Design –Teaching Assistant	Winter 2016, Fall 2016
Social Computing –Teaching Assistant	Spring 2016
Interaction Design Startup Studio –Teaching Assistant	Spring 2016

Leadership Experience

San Diego Refugee Tutoring Volunteer Tutor	November 2016 – Present
UCSD Cognitive Science Department Graduate Student Representative	September 2016 – Present
San Diego Heart & Stroke Walk Team Leader	July 2015 – Present
Science is Elementary Science Teaching Volunteer	September 2013 – May 2014
UC Berkeley Regents' & Chancellor's Scholars Association External Vice-President Faculty Committee Coordinator	May 2012 – May 2013 May 2011 – May 2012
Cal Wushu Performance Coordinator	August 2011 – May 2013

Skills

Programming Languages: Python, HTML/CSS, JavaScript
Research Tools: MRI, fMRI, Freesurfer, SysML
Statistical Software: R, SQL, Matlab
Other Software: Adobe Photoshop, Adobe Illustrator, Adobe InDesign, MagicDraw, Microsoft Office Suite
