

Curriculum Vitae

CRYSTAL DUC TRAN

Department of Psychology
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Place of Birth: San Jose, CA
Citizenship: U.S.A

EDUCATION

- May 2015 **Ph.D. in Developmental Psychology**
Developmental Cognitive Neuroscience Program
Department of Psychology, University of Houston
- December 2011 **M.A. in Psychology**
Developmental Cognitive Neuroscience Program
Department of Psychology, University of Houston
- May 2008 **B.A. in Psychology, *Summa Cum Laude***
Minor in Chinese Studies
University of Houston
- August 2007 Study Abroad Program in Chinese Language & Literature
Beijing Youth Politics College

RESEARCH EXPERIENCE

Postdoctoral Fellowships

- June 2015-Present **Postdoctoral Research Fellow**, University of Houston
¹Cognitive Development Lab, ²Sleep and Anxiety Center of Houston (SACH),
³Texas Institute for Measurement, Evaluation, and Statistics (TIMES)
Supervisors: Hanako Yoshida, Ph.D.¹, Candice A. Alfano, Ph.D.², David J. Francis, Ph.D.³

Assistantships

- Fall 2009-May 2015 **Graduate Research Assistant**, University of Houston
Fall 2008-2009 **Lab Manager, Research Assistant**, University of Houston
Summer 2007-2008 **Undergraduate Research Assistant**, University of Houston
Cognitive Development Lab, *Supervisor: Hanako Yoshida, Ph.D.*
- Spring 2007 **Undergraduate Research Assistant**, University of Houston
Interpersonal Relations and Motivation Research Group (Defensive Pessimism),
Supervisor: C. Raymond Knee, Ph.D.

PROFESSIONAL ORGANIZATIONS

- Cognitive Development Society (CDS)
Cognitive Science Society (CSS)
International Symposium for Bilingualism (ISB)
Jean Piaget Society (JPS)
Society for Research in Child Development (SRCD)
Southwestern Psychological Association (SWPA)

PUBLICATIONS

Journal Articles (4)

- Tran, C. D.**, Arredondo, M. M., & Yoshida, H. (under review). Culture and bilingualism have distinct influences on early Executive Function.
- Tran, C. D.**, Arredondo, M. M., & Yoshida, H. (2015). Differential effects of bilingualism and culture on early attention: A longitudinal study in the U.S., Argentina, and Vietnam. *Frontiers in Psychology, 6*(795), 1-15.
- Bilson, S., Yoshida, H., **Tran, C. D.**, Woods, E. A., & Hills, T. T. (2015). Semantic facilitation in bilingual first language acquisition. *Cognition, 140*, 122-134.
- Yoshida, H., **Tran, D. N.**, Benitez, V., & Kuwabara, M. (2011). Inhibition and adjective learning in bilingual and monolingual children. *Frontiers in Psychology, 2*(210), 1-14.

Manuscripts (5)

- Tran, C. D.**, & Yoshida, H. (in prep). Honoring different ontological boundaries: The role of language in category formation among two-year-old English, Japanese, and Vietnamese learners.
- Tran, C. D.**, & Yoshida, H. (in prep). Efficiency of attention and its influence on early adjective learning among monolingual and bilingual children.
- Tran, C. D.**, & Yoshida, H. (in prep). The role of attentional control and working memory on children's concept of conservation: A comprehensive examination on 4- to 9-year-old children.
- Tran, C. D.**, & Yoshida, H. (in prep). Exploring the role of culture, language experience, and executive function on children's behavioral outcomes.
- Tran, C. D.**, Yoshida, H., & Alfano, C. A. (in prep). Co-sleeping patterns among different cultures and its effect on the development of Executive Function.

Published Proceedings (4)

- Bilson, S., Yoshida, H., **Tran, C. D.**, Woods, E. A., & Hills, T. (2014). Semantic Network Structure in Bilingual and Monolingual First Language Acquisition. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36th Annual Conference of the Cognitive Science Society* (pp. 200-205). Austin, TX: Cognitive Science Society.
- Tran, D. N.** & Yoshida, H. (2012). Honoring different ontological boundaries: The role of language in category formation. In N. Miyake, D. Peebles, & R. P. Cooper (Eds.), *Proceedings of the 34th Annual Conference of the Cognitive Science Society* (pp. 2457-2462). Austin, TX: Cognitive Science Society.
- Tran, D. N.** & Yoshida, H. (2011). The developmental role of attentional control in language learning [Abstract]. In L. Carlson, C. Hölscher, & T. Shipley (Eds.), *Proceedings of the 33rd Annual Conference of the Cognitive Science Society* (p. 1747). Austin, TX: Cognitive Science Society.
- Yoshida, H., **Tran, D. N.**, Benitez, V., & Kuwabara, M. (2010). Attentional control and early word learning. In S. Ohlsson & R. Catrambone (Eds.), *Proceedings of the 32nd Annual Conference of the Cognitive Science Society* (pp. 2627-2632). Austin, TX: Cognitive Science Society.

Conference Symposia (Talks) (9)

(Symposium Chair & Presenter)

- Tran, D. N.** & Yoshida, H. (2012 Feb). Development of Attentional Control in Word Learning. In **Duc N. Tran** and Elizabeth A. Woods (Chairs) *Attention and Language Development in Bilingual Children*. Talk presented at the Society of Research in Child Development (SRCD): Positive Development of Minority Children themed meeting, Tampa, FL.

(Presenter)

- Tran, C. D.**, & Yoshida, H. (2016 June). The Effect of Bilingualism and Cultural Practices on Children's Behavioral Outcomes. In Vanessa Simmering (Chair) *New Insights from Systems*

- Approaches to Cognition and Development*. Talk presented at the 46th Annual Conference of the Jean Piaget Society (JPS): Places and Spaces in Children's Lives, Chicago, IL.
- *Ouch, S., **Tran, C. D.**, & Yoshida, H. (2015 Apr). Developmental Differences in Novel Verb Learning: Children and Adults Process Different Cues. Talk presented at the Southwestern Psychological Association (SWPA), Wichita, KS.
- Tran, C. D.** & Yoshida, H. (2013 Apr). The Degree of Bilingual Cognitive Benefits on Early Language Learning. In Lynn Perry (Chair) *What do words do? Insights from developmental interactions between word learning and selective attention*. Talk presented at a symposium for the biennial meeting of the Society for Research on Child Development (SRCD), Seattle, WA.
- Tran, C. D.**, *San Miguel, A., & Yoshida, H. (2013 Apr). The Role of Cognitive Control in Conservation Tasks. Talk presented at the Southwestern Psychological Association (SWPA), Fort Worth, TX.
- Tran, D. N.** & Yoshida, H. (2012 June). A Mechanistic Perspective on Conservation Task Performances. Talk presented at the 42nd Annual Conference of the Jean Piaget Society (JPS): Rethinking Cognitive Development, Toronto, Canada.
- Tran, D. N.** & Yoshida, H. (2011 June). Bilingualism: A Way to Address the Role of Attentional Control in Word Mapping. Talk presented at the 8th Annual Conference of the International Symposium for Bilingualism (ISB), Oslo, Norway.
- Yoshida, H. & **Tran, D. N.** (2011 Feb). The Impact of Socio-Economic Status on Early Bilingual Cognitive Advantage. Talk presented at the Eastern Sociological Society (ESS), Philadelphia, PA.
- Yoshida, H., **Tran, D. N.**, Benitez, V., & Kuwabara, M. (2010 August). Bilingual Cognitive Advantage and Early Word Learning. Talk presented at the 32nd Annual Conference of the Cognitive Science Society (CSS), Portland, OR.

Invited Talks (1)

- Tran, C. D.** (2013 Aug). How Children Learn: Processes and Structures that Affect Learning Outcomes. Talk presented at the Staff Development Meeting at the Houston Community College (HCC) Central – Child Development Lab School, Houston, TX.

Papers Presented (Posters) (18)

- Tran, C. D.**, Alfano, C. A., & Yoshida, H. (accepted, 2017 Apr). Exploring the Developmental Role of Social and Cognitive Factors in the Cognitive Outcome of Sleep. Poster accepted for the biennial meeting of the Society for Research on Child Development (SRCD), Austin, TX.
- Tran, C. D.**, & Yoshida, H. (2015 Nov). Patterns of Vocabulary Development in Monolingual & Bilingual Children. Poster presented at a symposium for the annual meeting of the American Speech-Language-Hearing Association (ASHA), Denver, CO.
- *Dramkin, D. P., **Tran, C. D.**, Murase, T., Yoshida, H. (2015 Oct). The Effects of Parents' Conversational Styles on Early Disambiguation. Poster presented at a symposium for the 9th biennial meeting of the Cognitive Development Society (CDS), Columbus, OH.
- *Ouch, S., Burling, J., **Tran, C. D.**, Yoshida, H. (2015 Oct). Using Diffusion Models for Understanding Speed-Accuracy Trade-offs in Bilinguals: A Hierarchical Bayesian Analysis of the Attention Network Test. Poster presented at a symposium for the 9th biennial meeting of the Cognitive Development Society (CDS), Columbus, OH.
- Tran, C. D.** & Yoshida, H. (2015 Mar). Development of Attentional Control and its Implications on Adjective Learning in 36 Months Old. Poster presented at the biennial meeting of the Society for Research on Child Development (SRCD), Philadelphia, PA.
- Burling, J., **Tran, C. D.**, & Yoshida, H. (2014 Nov). Evidence for a speed-accuracy trade-off in bilinguals: A diffusion model approach to the Attention Network Task. Poster presented at the 39th annual Boston University Conference on Language Development (BUCLD), Boston, MA.

- Tran, C. D., *San Miguel, A., & Yoshida, H.** (2013 Apr). The Role of Attention and Working Memory in Conservation Task Performances. Poster presented at a symposium for the biennial meeting of the Society for Research on Child Development (SRCD), Seattle, WA.
- Tran, D. N. & Yoshida, H.** (2012 Aug). Honoring different ontological boundaries: The role of language in category formation. Poster presented at the 34th annual conference of the Cognitive Science Society (CSS). Sapporo, Japan.
- Tran, D. N. & Yoshida, H.** (2011 July). The Developmental Role of Attentional Control in Language Learning. Poster presented at a symposium for the annual meeting of the Cognitive Science Society (CSS), Boston, MA.
- Tran, D. N. & Yoshida, H.** (2011 April). The Early Development of Attentional Control in Monolingual and Bilingual Children. Poster presented at a symposium for the biennial meeting of the Society for Research on Child Development (SRCD), Montreal, Canada.
- Arredondo, M. M., **Tran, D. N., & Yoshida, H.** (2011 April). Social Structure and Executive Function Task Performance. Poster presented at a symposium for the biennial meeting of the Society for Research on Child Development (SRCD), Montreal, Canada.
- Tran, D. N. & Yoshida, H.** (2010 Oct). Early Development of Attentional Control: Comparison of Monolingual and Bilingual Children. Poster presented at the 20th annual meeting of the Association for Research in Memory Attention Decision-making Imagery Language Learning & Organized perception (ARMADILLO): Southwest Cognition Conference, College Station, TX.
- Tran, D. N., *Arredondo, M. M., *Liu, V. Y., & Yoshida, H.** (2010 Oct). How Eastern and Western Cultures Influence Early Cognitive Flexibility. Poster presented at the 20th annual meeting of the Association for Research in Memory Attention Decision-making Imagery Language Learning & Organized perception (ARMADILLO): Southwest Cognition Conference, College Station, TX.
- Tran, D. N. & Yoshida, H.** (2010 June). The Role of Different Cultural Practices on Early Development of Self-Regulation. Poster presented at a symposium for the 40th annual meeting of the Jean Piaget Society (JPS), St. Louis, MO.
- Tran, D. N., *Arredondo, M., & Yoshida, H.** (2009 Oct). Cultural Variability in Early Executive Function Task Performances. Poster presented at a symposium for the 6th biennial meeting of the Cognitive Development Society (CDS), San Antonio, TX.
- Tran, D. N., *Arredondo, M. & Yoshida, H.** (2009 April) Bilingual Cognitive Consequences: Measures from ANT, Executive Function, Adjective Learning tasks. Poster presented at Houston Area Speech-Hearing-Language Sciences Day, Rice University, Houston.
- Tran, D. N. & Yoshida, H.** (2009 April). Mutual Exclusivity, Adjective Learning, and Vocabulary Development: The Case of Bilingual Children and Monolingual Children. Poster presented at the Houston Area Speech-Hearing-Language Sciences Day, Houston, TX.
- Yoshida, H., **Tran, D. N., Benitez, V., & Kuwabara, M.** (2009 April). Bilingual Cognitive Consequences and Mutual Exclusivity Effects: Mechanism Suggested in Adjective Learning. Poster presented at a symposium for the biennial meeting of the Society for Research on Child Development (SRCD), Denver, CO.

*mentored undergraduate students

TEACHING EXPERIENCE

Instructor/Teaching Fellow (face-to-face and online distance education)

Psychological Statistics (PSYC 3301)

Spring 2015	University of Houston (~80 students), student ratings: 4.7/5
Fall 2014	University of Houston (~100 students), student ratings: 4.7/5
Spring 2014	University of Houston (~80 students), student ratings: 4.6/5

Child Development (PSYC 2350)

Fall 2013	University of Houston (~100 students), student ratings: 4.8/5
Spring 2013	University of Houston (~60 students), student ratings: 4.4/5

Fall 2012 University of Houston (~50 students), student ratings: 4.4/5
***Guest lectured and can teach Intro to Psychology, Research Methods, Cognitive Psychology, Psychology of Adolescence, Developmental Psychology, Human Development, and Cognitive Development: Psychological Research.

Teaching Assistant

Cognitive Psychology (PSYC 3350)

Summer 2013 University of Houston, *Instructor: Dr. Arturo E. Hernandez*

Psychology of Adolescence (PSYC 2351)

Spring 2011 University of Houston, *Instructor: Dr. Pamela Miller*

Child Development (PSYC 2350)

Fall 2010 University of Houston, *Instructor: Dr. Hanako Yoshida*

ACADEMIC SERVICES: SUPERVISOR/MENTOR

Undergraduate Research Awards (9)

College of Liberal Arts and Social Sciences (CLASS) Scholarship

- Awarded \$2000 to Staci Ouch, Summer 2014 and Summer 2015

Laurie T. Callicutt Scholarship

- Senior Special Project Proposal awarded to Staci Ouch, \$2000, Fall 2015 and Spring 2016

Outstanding Poster Award and "Fan Favorite"

- Ouch, S., **Tran, C. D.**, & Yoshida, H. (2014 Oct). New Perspectives on Early Verb Learning. Poster presented at the Undergraduate Research Day, University of Houston, Houston, TX.

Provost's Undergraduate Research Scholarship (PURS) program

- "Language Learning Effects on Early Sleep Spindles" to Hira Aslam, awarded \$1000, Spring 2017
- "The Role of Disambiguation and Parental Input on Infant Word Learning" to Denitza Dramkin, awarded \$2000, Spring 2015

Summer Undergraduate Research Fellowship (SURF) program

- "New Perspectives on Early Verb Learning" to Staci Ouch, awarded \$3500, Summer 2014

Undergraduate Travel Fellowship

- Ouch, S., **Tran, C. D.**, & Yoshida, H. (2015 Apr). Developmental Differences in Novel Verb Learning: Children and Adults Process Different Cues. Talk presented at the Southwestern Psychological Association (SWPA), Wichita, KS. Awarded \$350, Spring 2015

Outstanding Senior Honor's Thesis Award Nominee

- Staci Ouch, "*The Effects of Bilingualism in Early Verb Learning*", April 2016

Undergraduate Senior Honor's Thesis (2)

Served as Thesis Committee and Project Mentor

- Staci Ouch, "*The Effects of Bilingualism in Early Verb Learning*", Fall 2015 to Spring 2015
 - Nominated for Outstanding Senior Honor's Thesis Award

Served as Project Mentor

- Denitza Dramkin, "*Parental Influences on Disambiguation: Examining Book Reading and Eyetracking Data*", Spring 2015

Undergraduate Research Poster Presentations (12)

Dramkin, D., **Tran, C. D.**, Murase, T., & Yoshida, H. (2015, October). The effects of mothers' speech styles on infants' attention to novel words. Poster presented at the Undergraduate Research Day, University of Houston, Houston, TX.

Ouch, S., **Tran, C. D.**, & Yoshida, H. (2014 Oct). New Perspectives on Early Verb Learning. Poster presented at the Undergraduate Research Day, University of Houston, Houston, TX.

- Dramkin, D. P., **Tran, C. D.**, & Yoshida, H. (2014 Oct). Cultural Implications of Parental Rating Scales and Their Predictive Nature on Tasks Assessing Executive Functioning. Poster presented at the Undergraduate Research Day, University of Houston, Houston, TX.
- Helfand, C., **Tran, C. D.**, & Yoshida, H. (2014 Oct). Now You See It, Now You Don't: The Effects of Saliency and Labeling on Children's Early Word Learning. Poster presented at the Undergraduate Research Day, University of Houston, Houston, TX.
- Luna-Flores, M. **Tran, C. D.**, & Yoshida, H. (2014 Oct). Cultural Influences on Cognitive Task Performances: A Study on 3-Year-Old Children from the U.S., Argentina, Vietnam, and China. Poster presented at the Undergraduate Research Day, University of Houston, Houston, TX.
- Ouch, S., **Tran, C. D.**, & Yoshida, H. (2013 Oct). The Role of Attentional Control and Working Memory in Conservation Task Performances. Poster presented at the Undergraduate Research Day, University of Houston, Houston, TX.
- Nguyen, N. T., **Tran, C. D.**, & Yoshida, H. (2012 Oct). The Role of Cognitive Processes in Linguistic Distance: Case of Vietnamese-English and Vietnamese-Cantonese Bilinguals. Poster presented at the Undergraduate Research Day, University of Houston, Houston, TX.
- Rice, J. A., **Tran, C. D.**, & Yoshida, H. (2012 Oct). Cultural Interactions in Development and Performance of Executive Function. Poster presented at the Undergraduate Research Day, University of Houston, Houston, TX.
- Ferrera, D., **Tran, C. D.**, & Yoshida, H. (2012 Oct). Monolingual and Bilingual Preschool Children's Performance on Various Measures of Executive Function. Poster presented at the Undergraduate Research Day, University of Houston, Houston, TX.
- San Miguel, A., **Tran, D. N.**, & Yoshida, H. (2012 Apr). The Role of Working Memory in Conservation Task Performances. Poster presented at the Undergraduate Research Day, University of Houston, Houston, TX.
- Babu, S., **Tran, D. N.**, & Yoshida, H. (2011 Oct). Conservation Task Performances Among Monolingual and Bilingual Children. Poster presented at the Undergraduate Research Day, University of Houston, Houston, TX.
- Arredondo, M. M., **Tran, D. N.**, & Yoshida, H. (2009 Oct). Bilingual Cognitive Advantage and Executive Function Tasks: Case of Argentinean Bilinguals and Monolinguals. Poster presented at the Undergraduate Research Day, University of Houston, Houston, TX.

PROFESSIONAL SERVICE

Ad Hoc Reviewer (October 2011—Present)

Journals

Journal of Experimental Psychology: Learning, Memory, and Cognition
International Journal of Bilingual Education and Bilingualism
Frontiers in Psychology (Topics: General, Language Sciences, and Developmental Psychology)

Conferences

Boston University Conference on Language Development

Grants

National Science Foundation

HONORS AND AWARDS

Spring 2013	Society for Research in Child Development Student Travel Award
Spring 2011	Graduate Research Assistant Stipend Program Award (\$20,000)
April 2008	Sino-USA Award, Department of Modern & Classical Language, University of Houston
Fall 2007-Present	Golden Key International Honour Society
Summer 2007	Office of International Studies and Program Scholarship,

Fall 2006-Present
Spring 2006-2008
May 2004

University of Houston
Psi-Chi National Honor Society in Psychology
Dean's List
Top Centurion Award

TRAINING/SKILLS

Eye-tracking (on typically developing hearing, deaf, & children with autism; 3 months to 10-years-old)

- TOBII
- Yabus
- Head-mounted camera

Neuroimaging Training/Courses

EEG

“EEG: Electroencephalography” Demonstration and Training

Led by Dr. Florian Strelzk, Vice President

Brain Vision LLC: Solutions for Neuropsychological Research

University of Houston, Developmental Cognitive Neuroscience Program, Houston, TX

May 7, 2014 (4 hours)

fNIRS

“fNIRS: Functional Near Infrared Spectroscopy” Symposium

University of Michigan, Center for Human Growth and Development, Ann Arbor, MI

May 4–5, 2012

International Research Work

Cross-sectional and longitudinal data collection in the U.S. & Vietnam (Dong Nai, Ho Chi Minh City)

- Behavioral/Clinical (BASC-2, BRIEF-P, Conner's, PRQ), Cognitive (Executive Function tasks, Attention, etc.), and Academic (MCDI, PPVT, EVT, Classroom Reports, etc.) Data

Language Proficiency

Native in English

Native in Vietnamese

Basic in Chinese (Mandarin)

REFERENCES

Available upon request.