

# JUSTIN BUSCH, PH.D.

Senior User Researcher

TomTom

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## EDUCATION

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<b>Ph.D. The University of Texas at Austin</b>	Cognitive Developmental Psychology Portfolio in Applied Statistical Modeling	May 2018
<b>M.A. The University of Texas at Austin</b>	Cognitive Developmental Psychology	May 2015
<b>B.A. The University of Colorado Boulder</b>	Ecology & Evolutionary Biology	May 2009

## PROFESSIONAL APPOINTMENTS

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<b>TomTom</b> - Farmington Hills, MI	Senior User Experience Researcher	2018 - Present
<b>Human Interfaces Inc.</b> - Austin, TX	Human Factors Engineer	2018
<b>Dell Technologies</b> - Austin, TX	User Experience Research Intern	2017

## PEER-REVIEWED PUBLICATIONS

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**Busch, J.T.A.**, Watson-Jones, R.E., & Legare, C.H. (in press). Cultural variation in the development of beliefs about conservation. *Cognitive Science*. Impact Factor: 2.214

**Busch, J.T.A.**, & Legare, C.H. (2019). Using data to solve problems: Young children reason flexibly in response to different kinds of evidence. *Journal of Experimental Child Psychology*, 183, 172-188. Impact Factor: 2.424

Willard, A.K., **Busch, J.T.A.**, Cullum, K.A., Letourneau, S.M., Sobel, D.M., Callanan, M.A., & Legare, C.H. (2019). Explain this, explore that: A study of parent-child interaction in a children's museum. *Child Development*, 90(5), 598-617. Impact Factor: 3.779

**Busch, J.T.A.**, Watson-Jones, R.E., & Legare, C.H. (2018). Cross-cultural variation in the development of folk ecological reasoning. *Evolution and Human Behavior*, 39(3), 310-319. Impact Factor: 3.623

Legare, C.H., Opfer, J., **Busch, J.T.A.**, & Shtulman, A. (2018). A field guide for teaching evolution in the social sciences. *Evolution and Human Behavior*, 39(3), 257-268. Impact Factor: 3.623

Apicella, C.L., Rozin, P., **Busch, J.T.A.**, Watson-Jones, R.E., & Legare, C.H. (2018). Evidence from hunter-gatherer and subsistence agricultural populations for the universality of contagion sensitivity. *Evolution and Human Behavior*, 39(3), 355-363. Impact Factor: 3.623

**Busch, J.T.A.**, Watson-Jones, R.E., & Legare, C.H. (2017). The coexistence of natural and supernatural explanations within and across domains and development. *British Journal of Developmental Psychology*, 35(1), 4-20. Impact Factor: 1.719

Watson-Jones, R.E., **Busch, J.T.A.**, & Legare, C.H., & Harris, P.L. (2017). Does the body survive death? Cultural variation in beliefs about life everlasting. *Cognitive Science*, 41(5), 455-476. Impact Factor: 2.706

Watson-Jones, R.E., **Busch, J.T.A.**, & Legare, C.H. (2015). Interdisciplinary perspectives on explanatory coexistence. *Topics in Cognitive Science*, 7(4), 611-623. Impact Factor: 2.241

Cook, J.E., Purdie-Vaughns, V., Meyer, I., & **Busch, J.T.A.** (2014). Intervening within and across levels: A multilevel approach to stigma and public health. *Social Science and Medicine*, 103, 101-109. Impact Factor: 2.814

*Manuscripts in preparation*

Mercier, H., **Busch, J.T.A.**, Eck, E.A., & Legare, C.H. (in prep). Argumentation and the development of deductive reasoning abilities in childhood.

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**BOOK CHAPTERS**

**Busch, J.T.A.**, Willard, A.K., & Legare, C.H. (2017). Explanation scaffolds causal learning and problem solving in childhood. In M. Saylor, & P. Ganea (Eds.), *Active learning from infancy to childhood: Social motivation, cognition, and linguistic mechanisms*. Cham, Switzerland: Springer International Publishing.

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**PRESENTATIONS AND INVITED TALKS**

*Symposia Organized*

Organizer. *Cultural variation in the development of folkecological knowledge*. (2017, April). Society for Research in Child Development, Austin, TX.

*Papers Presented*

**Busch, J.T.A.** (2020, June). *From end user to automotive HMI - How user research drives TomTom Navigation*. Presented at Virtual Car HMI Europe, virtual conference.

**Busch, J.T.A.** (2020, April). *From end user to automotive HMI - How user research drives TomTom Navigation*. Presented at Car HMI USA at-home, virtual conference.

**Busch, J.T.A.**, Watson-Jones, R.E., & Legare, C.H. (2017, September). *The development of folkecological reasoning*. Paper presented at the Cultural Evolution Society, Jena, Germany.

**Busch, J.T.A.**, Watson-Jones, R.E., & Legare, C.H. (2017, April). *Examining the development of conservation psychology across cultures*. Paper presented at the Society for Research in Child Development, Austin, TX.

**Busch, J.T.A.**, Eck, E.A., Mercier, H., & Legare, C.H. (2017, April). *Peer discussion and the development of deductive reasoning abilities in childhood*. Paper presented at the Society for Research in Child Development, Austin, TX.

**Busch, J.T.A.**, & Legare, C.H. (2016, October). *Coexistence of natural and supernatural explanations*. Paper presented at the Early Career Workshop for the Psychology of Religion and Spirituality, Oceanside, CA.

**Busch, J.T.A.**, & Legare, C.H. (2016, August). *The development of reasoning about evidence*. Paper presented at the International Conference on Thinking, Providence, RI.

**Busch, J.T.A.**, Willard, A.K., Gose, R., & Legare, C.H., (June, 2016). *Learning about learning in museum settings*. Paper presented at the meeting of the Jean Piaget Society, Chicago, IL.

Watson-Jones, R.E., **Busch, J.T.A.**, & Legare, C.H. (2016, May). *The natural and supernatural: Reasoning about human origins, illness, and death in Vanuatu*. Paper presented at the Public Perception of Science and Religion Workshop, San Diego, CA.

**Busch, J.T.A.**, Legare, C.H. (2015, May). *The development of belief revision in response to evidence*. Paper presented at the Intellectual Humility Capstone Conference, Avalon, CA.

**Busch, J.T.A.**, Legare, C.H. (2015, March). *The development of belief revision in response to evidence*. Paper presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.

## **POSTER PRESENTATIONS**

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**Busch, J.T.A.**, Watson-Jones, R.E., & Legare, C.H. (2017, October). *Cross-cultural variation in the development of folk ecological reasoning*. Poster presented at the biennial meeting of the Cognitive Development Society, Portland, OR.

**Busch, J.T.A.**, Watson-Jones, R.E., & Legare, C.H. (2016, June). *Examining conservation psychology across cultures*. Poster presented at the annual meeting of the Human Behavior and Evolution Society, Vancouver, BC.

**Busch, J.T.A.**, Eck, E.A., Mercier, H., & Legare, C.H. (2016, June). *Argumentation and the development of deductive reasoning abilities in childhood*. Poster presented at the annual meeting of the Society for Philosophy and Psychology, Austin, TX.

Watson-Jones, R.E., **Busch, J.T.A.**, & Legare, C.H. (2016, June). *Conservation in context: A cross-cultural comparison of reasoning about the conservation of nature across development*. Poster presented at the annual meeting of the Society for Philosophy and Psychology, Austin, TX.

Willard, A.K., **Busch, J.T.A.**, Sobel, D.M., Callanan, M.A., & Legare, C.H. (2016, June). *The impact of parents' and children's explanation and exploration on children's causal learning*. Poster presented at the annual meeting of the Society for Philosophy and Psychology, Austin, TX.

**Busch, J. T. A.**, Legare, C. H., Sobel, D. M., Callanan, M. (2015, October). *The role of parent / child interaction in children's exploration, causal explanation and learning outcomes*. Poster presented at the biennial meeting of the Cognitive Development Society, Columbus, OH.

Watson-Jones, R.E., **Busch, J.T.A.**, & Legare, C.H. (2015, October). *Does the body survive death? Cultural variation in beliefs about the life everlasting*. Poster presented at the biennial meeting of the Cognitive Development Society, Columbus, OH.

**Busch, J. T. A.**, Watson-Jones, R. E., Legare, C. H. (2015, May). *Naïve ecological reasoning in Vanuatu and the U.S.* Poster presented at the annual meeting of the Association for Psychological Science, New York, NY.

**Busch, J. T. A.**, Watson-Jones, R. E., Legare, C. H. (2015, March). *Examining "naïve ecology" in Western and Non-Western populations*. Poster presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.

Watson-Jones, R.E., **Busch, J.T.A.**, & Legare, C.H. (2015, March). *Concepts of the afterlife across cultures and development*. Poster presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.

**Busch, J. T. A.**, Watson-Jones, R. E., Legare, C. H. (2014, March). *The cross-cultural development of a conceptual organization of biological knowledge in childhood*. Poster presented at the meeting of the Society for Research in Human Development, Austin, TX.

**Busch, J. T. A.**, Legare, C. H. (2013, October). *Causal explanation: Inconsistent and ambiguous evidence inform hypothesis-testing behavior in young children*. Poster presented at the biennial meeting of the Cognitive Development Society, Memphis, TN.

## **AWARDS & FELLOWSHIP**

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2017      Dissertation Writing Fellowship, The Office of Graduate Studies, The University of Texas at Austin (\$15,735)

2017      Professional Development Award, The Office of Graduate Studies, The University of Texas at Austin (\$500)

2017      Travel Grant, Cultural Evolution Society (€1,500)

2017      Jennifer Malin Fellowship, Department of Psychology, The University of Texas at Austin (\$2,500)

2017      John W. Dallenbach Fellowship, Department of Psychology, The University of Texas at Austin (\$3,000)

- 2017 Intellectual Entrepreneurship Liberal Arts Travel Grant, Moody College of Communications, The University of Texas at Austin (\$100)
- 2016 Professional Development Award, The Office of Graduate Studies, The University of Texas at Austin (\$325)
- 2016 John W. Dallenbach Fellowship, Department of Psychology, The University of Texas at Austin (\$2,500)
- 2016 Professional Development Award, The Office of Graduate Studies, The University of Texas at Austin (\$500)
- 2015 Professional Development Award, The Office of Graduate Studies, The University of Texas at Austin (\$500)
- 2014 Emma Clark Research Fellowship, Department of Psychology, The University of Texas at Austin (\$2,500)
- 2014 Professional Development Award, The Office of Graduate Studies, The University of Texas at Austin (\$500)

## **TEACHING**

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- 2017 **Head Teaching Assistant** for Introduction to Child Development with Dr. Amy Booth, The University of Texas at Austin  
*Guest Lectures:*  
**Busch, J.T.A.** (2017, April). *Cultural perspectives on development.*
- 2016 **Teaching Assistant** for Introduction to Child Psychology with Dr. Amy Booth, The University of Texas at Austin  
*Guest Lectures:*  
**Busch, J.T.A.** (2016, November). *Cultural perspectives on development.*  
**Busch, J.T.A.** (2016, November). *Constructing social categories.*
- 2016 **Lab Instructor** for Research Methods in Psychology with Dr. Jacqueline Evans, The University of Texas at Austin
- 2016 **Lab Instructor** for Research Methods in Psychology with Dr. Pat Carroll, The University of Texas at Austin
- 2015 **Teaching Assistant** for Neural Plasticity and Behavior with Dr. Alexandra Garcia, The University of Texas at Austin
- 2015 **Teaching Assistant** for Learning and the Brain with Dr. Steryl Jones, The University of Texas at Austin
- 2015 **Teaching Assistant** for Psychology of Sex with Drs. David Buss & Cindy Meston, The University of Texas at Austin

## **SERVICE**

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- 2018 - present **Peer Reviewer**, Journal of Developmental Psychology
- 2017 - present **Peer Reviewer**, Journal of Experimental Psychology: General
- 2017 - present **Peer Reviewer**, Journal of Cognition
- 2016 - 2017 **President**, Psychology Graduate Student Association, Department of Psychology, The University of Texas at Austin
- 2016 - 2017 **Volunteer Deputy Voting Registrar**, Department of Psychology, The University of Texas at Austin
- 2015 - 2018 **Graduate Mentor**, The Summer Undergraduate Research Experience Program, Department of Psychology, The University of Texas at Austin
- 2015 - 2018 **Graduate Mentor**, Intellectual Entrepreneurship Program, Moody College of Communication, The University of Texas at Austin

2014 - 2016 **Vice-President**, Psychology Graduate Student Association, Department of Psychology, The University of Texas at Austin

*Invited Panels*

Panelist. *Surviving Graduate School* (2017, April). The University of Texas at Austin Chapter of Psi Chi.

Panelist. *Graduate School Panel* (2017, April). Women in Psychology, The University of Texas at Austin