

# Daniel E. Forster

## Curriculum Vitae

### PERSONAL INFORMATION

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North Bay Village, FL 33141  
Phone: (831) 383-9438  
Email: forster.danny@gmail.com

### EDUCATION

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2018 Ph.D. in Psychology, University of Miami  
*Concentration in Quantitative Psychology*

2015 M.S. in Psychology, University of Miami

2011 B.A. in Psychology with High Honors, University of California, Santa Barbara  
*Minor in Anthropology*

### EMPLOYMENT

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2019 – Present Research Psychologist, CCDC Army Research Laboratory, Human Research and Engineering Directorate

2018 – 2019 Postdoctoral Fellow, CCDC Army Research Laboratory, Human Research and Engineering Directorate

2018 Lecturer, Department of Biochemistry and Molecular Biology, University of Miami Miller School of Medicine

### FUNDED GRANTS

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2016 University of Miami, College of Arts & Sciences Dean's Graduate Student Summer Research Fellowship (\$5,000)

2013 University of Miami, Department of Psychology/Fred C. and Helen Donn Flipse Research Support Fund (\$1,000)

### AWARDS AND HONORS

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2018 University of Miami, Department of Psychology Bertha Weber Graduate Student Appreciation Award

2017 University of Miami, Graduate School Outstanding Graduate Teaching Assistant Award

University of Miami, Department of Psychology Outstanding Teaching Assistant Award

- 2016 University of Miami, Department of Psychology S.T. Calvin Award for Excellence in the Application of Statistical Methods
- 2013 NSF Graduate Research Fellowship, *Honorable Mention*

## PEER-REVIEWED PUBLICATIONS

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- Forster, D. E.**, Pedersen, E. J., McCullough, M. E., & Lieberman, D. (in press). Evaluating benefits, costs, and social value as predictors of gratitude. *Psychological Science*.
- Forster, D. E.**, Billingsley, J., Burnette, J., Ohtsubo, Y., Lieberman, D., & McCullough, M. E. (2021). Experimental evidence that apologies promote forgiveness by communicating relationship value. *Scientific Reports* 11, 13107. <https://doi.org/10.1038/s41598-021-92373-y>
- Baker, A. L., Fitzhugh, S. M., Huang, L., **Forster, D. E.**, Scharine, A., Neubauer, C., Lematta, G., Bhatti, S., Johnson, C. J., Krausman, A., Holder, E., Schaefer, K. E., & Cooke, N. J. (2021). Approaches for assessing communication in human-autonomy teams. *Human-Intelligent Systems Integration*. <https://doi.org/10.1007/s42454-021-00026-2>
- Cohen Hoffing, R. A., Lauharatanahirun, N., **Forster, D. E.**, Garcia, J. O., Vettel, J. M., & Thurman, S. M. (2020). Dissociable mappings of tonic and phasic pupillary features onto cognitive processes involved in mental arithmetic. *PLoS ONE* 15(3): e0230517. <https://doi.org/10.1371/journal.pone.0230517>
- Forster, D. E.**, Billingsley, J., Russel, V. M., McCauley, T. G., Smith, A., Burnette, J. L., Ohtsubo, Y., Schug, J., Lieberman, D. & McCullough, M. E. (2020). Forgiveness takes place on an attitudinal continuum from hostility to friendliness: Toward a closer union of forgiveness theory and measurement. *Journal of Personality and Social Psychology*, 119(4), 861-880. <https://doi.org/10.1037/pspi0000227>
- McAuliffe, W. H. B., **Forster, D. E.**, Pedersen, E. J., & McCullough, M. E. (2019). Does cooperation in the laboratory reflect the operation of a broad trait? *European Journal of Personality*, 33(1), 89-103. <https://doi.org/10.1002/per.2180>
- Bainter, S. A. & **Forster, D. E.** (2019). The impact of moderate priors for Bayesian estimation and testing of item factor analysis models when maximum likelihood is unsuitable. *Structural Equation Modeling: A Multidisciplinary Journal*, 26(1), 80-93. <https://doi.org/10.1080/10705511.2018.1505521>
- McAuliffe, W. H. B., **Forster, D. E.**, Pedersen, E. J., & McCullough, M. E. (2018). Experience with anonymous interactions reduces intuitive cooperation. *Nature Human Behaviour*, 2(12), 909-914. <https://doi.org/10.1038/s41562-018-0454-9>

- McAuliffe, W. H. B., **Forster, D. E.**, Philippe, J., & McCullough, M. E. (2018). Digital altruists: Resolving key questions about the empathy–altruism hypothesis in an Internet sample. *Emotion, 18*(4), 493-506. [10.1037/emo0000375](https://doi.org/10.1037/emo0000375)
- Smith, A., Pedersen, E. J., **Forster, D. E.**, McCullough, M. E., & Lieberman, D. (2017). Cooperation: The roles of interpersonal value and gratitude. *Evolution and Human Behavior, 38*(6), 695-703. [10.1016/j.evolhumbehav.2017.08.003](https://doi.org/10.1016/j.evolhumbehav.2017.08.003)
- Forster, D. E.**, Pedersen, E. J., Smith, A., McCullough, M. E. & Lieberman, D. (2017). Benefit valuation predicts gratitude. *Evolution and Human Behavior, 38*(1), 18-26. [10.1016/j.evolhumbehav.2016.06.003](https://doi.org/10.1016/j.evolhumbehav.2016.06.003)
- Krimsky, M., **Forster, D. E.**, Llabre, M. M., & Jha, A. P. (2017). The influence of time on task on mind wandering and visual working memory. *Cognition 169*, 84-90. <http://dx.doi.org/10.1016/j.cognition.2017.08.006>
- Spencer-Rodgers, J., Major, B., **Forster, D. E.**, & Peng, K. (2016). The power of affirming group values: Group affirmation buffers the self-esteem of women exposed to blatant sexism. *Self and Identity, 15*(4), 413-431. <http://dx.doi.org/10.1080/15298868.2016.1145593>
- Carter, E. C., Kofler, L. K., **Forster, D. E.**, & McCullough, M. E. (2015). A series of meta-analytic tests of the depletion effect: Self-control does not seem to rely on a limited resource. *Journal of Experimental Psychology: General, 144*(4), 796-815. <http://dx.doi.org/10.1037/xge0000083>
- Carver, C. S., Johnson, S. L., McCullough, M. E., **Forster, D. E.**, & Joorman, J. (2014). Adult personality correlates of childhood adversity. *Frontiers in Psychology, 5*:1357. <http://dx.doi.org/10.3389/fpsyg.2014.01357>
- Pedersen, E. J., **Forster, D. E.**, & McCullough, M. E. (2014). Life history, code of honor, and emotional responses to inequality in an economic game. *Emotion, 14*(5), 920-929. <http://dx.doi.org/10.1037/a0036752>

#### **NON-PEER REVIEWED PUBLICATIONS**

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- Rohaly, T. L., Fink, I. M., Cox, K. R., Gremillion, G. M., **Forster, D. E.** (2021). *The Effects of Task-Switching Within a Single Next Generation Combat Vehicle (NGCV) Role*. US Army Combat Capabilities Development Command Army Research Laboratory Aberdeen Proving Ground United States.
- Forster, D. E.**, McGhee, S. M., Perelman, B. S., Neubauer, C., Schaefer, K. E., & Krausman, A. (2020). *Human-Autonomy Teaming: Using Latent Semantic Analysis for Assessing Team Cohesion from Crew Communications*. US Army Combat Capabilities Development Command Army Research Laboratory Aberdeen Proving Ground United States.
- Baker, A. L., Fitzhugh, S. M., **Forster, D. E.**, Brewer, R. W., Krausman, A., Scharine, A., & Schaefer, K. E. (2020). *Team Trust in Human-Autonomy Teams: Analysis of Crew Communication*

during *Manned-Unmanned Gunnery Operations*. US Army Combat Capabilities Development Command Army Research Laboratory Aberdeen Proving Ground United States.

## MANUSCRIPTS UNDER REVIEW AND IN PREPARATION

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Billingsley, J., **Forster, D. E.**, Russel, V. M., Burnette, J. L., Smith, A., Ohtsubo, Y., Lieberman, D. & McCullough, M. E. (under review). Perceptions of relationship value and exploitation risk mediate the effects of transgressors' post-harm communications upon forgiveness. *Evolution and Human Behavior*.

Moore, S. M., **Forster, D. E.**, & Geuss, M. N. (under review). Attitude familiarity as a predictor of team performance. *PLoS one*.

**Forster, D. E.**, Burnette, J. L., Ohtsubo, Y., Lieberman, D. & McCullough, M. E. (in prep). How victims use early impressions to respond to transgressions and apologies.

Billingsley, J., **Forster, D. E.**, McCullough, M. E., & Lieberman, D. (in prep). Religion and the psychology of coalitions.

Pedersen, E. J., **Forster, D. E.**, McCullough, M. E., & Lieberman, D. (in prep). People become angry when they experience costs but not when they experience lower-than-expected social value.

Thurman, S., M., Cohen Hoffing, R. A., Lauharatanahirun, N., **Forster, D. E.**, Bansall, K., Garcia, J. O., Vettel, J. M. (in prep). A model-based approach to identify robust pupillary correlates of vigilance performance in a 16-week longitudinal study.

## CONFERENCE PRESENTATIONS

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Moore, S. M., Guess, M. N., & **Forster, D. E.** (2021) Attitude familiarity as a measure of team performance. Poster presented at the Society for Personality and Social Psychology.

**Forster, D. E.** & McCullough, M. E. (2020). Linguistic correlates of relationship closeness. Paper presented at the Society for Personality and Social Psychology in New Orleans, LA.

Grant, D., Wadsworth, L., **Forster, D. E.**, Lieberman, D., McCullough, M. E., & Pedersen, E. J. (2020). Gratitude and the formation and maintenance of friendships. Poster presented at the Society for Personality and Social Psychology in New Orleans, LA.

Wadsworth, L. M., **Forster, D. E.**, McCullough, M. E., Lieberman, D., & Pedersen, E. J. (2019). Gratitude and the formation and maintenance of relationships. Poster presented at the 1<sup>st</sup> Annual meeting of FOSSIL (FlyOver State Scientists Integrating EvoLution), Oklahoma State University.

Cohen Hoffing, R.A., Thurman, S., Lauharatanahirun, N., **Forster, D.E.**, Garcia, J.O., Wasylshyn, N., Giesbrecht, B., Grafton, S.T., Vettel, J.M. (2019). Distinct pupil features correlate with between-participant and across-session performance variability in a 16-week, longitudinal data set. Paper presented to Vision Science Society Annual Meeting, Naples, FL.

- Thurman, S., Cohen Hoffing, R.A., Lauharatanahirun, N., **Forster, D.E.**, Bansal, K., Grafton, S.T., Giesbrecht, B., Vettel, J.M. (2019). Applying linear additive models to isolate component processes in task-evoked pupil responses. Paper presented to Vision Science Society Annual Meeting, Naples, FL.
- Forster, D. E.** & McCullough, M. E. (2019). How victims use social information to respond to transgressions and apologies. Poster presented at the Society for Personality and Social Psychology in Portland, OR.
- Billingsley, J. & **Forster, D. E.** (2018). Apologies promote forgiveness and restore cooperation by increasing perceived relationship value. Paper presented at the Society of Southeastern Social Psychologists in Raleigh, NC.
- Forster, D. E.** & McCullough (2018). Perceptions of relationship value cause forgiveness: An experimental test of mediation. Paper presented at the Society of Southeastern Social Psychologists in Raleigh, NC.
- Forster, D. E.** & McCullough, M. E. (2018). Relationship closeness reduces the harm of transgressions and facilitates forgiveness. Paper presented at the Society of Personality and Social Psychology, Close Relationships Preconference, in Atlanta, GA.
- Bainter, S. A. & **Forster, D. E.** (2017). The impact of moderately informative priors on ability to detect model misfit. Paper presented at the International Meeting of the Psychometric Society in Zurich, Switzerland.
- Forster, D. E.** & McCullough, M. E. (2017). Do people's perceptions of a transgressor's relationship value cause forgiveness? Paper presented at the annual meeting of the Human Behavior and Evolution Society in Boise, ID.
- Forster, D. E.** & McCullough, M. E. (2017). People forgive to regain access to benefits. Poster presented at the annual meeting of the Society for Personality and Social Psychology in San Antonio, TX.
- McAuliffe, W.H.B., **Forster, D.E.**, Philippe, J., & McCullough, M.E. (2017). The effects of perspective taking on emotional arousal and social support. Poster presented at the annual meeting of the Society for Personality and Social Psychology, Emotion Preconference, in San Antonio, TX.
- Owusu-Addo, S., Patel, S., Russell, M., Burnette, J., & **Forster, D. E.** (2017). The interaction of relationship value and exploitation risk predict forgiveness of betrayals. Poster presented at the annual meeting of the Society for Personality and Social Psychology in San Antonio, TX.
- McCullough, M. E., McAuliffe, W. H. B., Pedersen, E. J., & **Forster, D. E.** (2017). An evaluation of the psychometric properties of the Dictator Game and Trust Game. Paper presented at the annual meeting of the Society for Personality and Social Psychology in San Antonio, TX.

- Forster, D. E. & McCullough, M. E. (2016).** Forgiveness implies restored trust and cooperation. Paper presented at the annual meeting of the Human Behavior and Evolution Society in Vancouver, BC.
- Pedersen, E. J., **Forster, D. E.**, McCullough, M. E., & Lieberman, D. (2016). A computational approach to gratitude: The roles of benefit delivery and welfare valuation. Paper presented at the annual meeting of the Human Behavior and Evolution Society in Vancouver, BC.
- Forster, D. E. & McCullough, M. E. (2016).** Economic decision-making correlates of forgiveness following an experimental manipulation of relationship value and exploitation risk. Poster presented at the annual meeting of the Society for Personality and Social Psychology in San Diego, CA.
- Forster, D. E.,** Pedersen, E. J., & McCullough, M. E. (2015). Are smiles reliable due to receiver-dependent costs? Poster presented at the annual meeting of the Human Behavior and Evolution Society in Columbia, Missouri.
- Pedersen, E. J., **Forster, D. E.,** & McCullough, M. E. (2015). Individual differences in endorsement of the code of honor: A life history perspective. Paper presented at the annual meeting of the Human Behavior and Evolution Society in Columbia, Missouri.
- Forster, D. E.,** Pedersen, E. J., Smith, A., Lieberman, D., & McCullough, M. E. (2014). Relationship value as a predictor of gratitude in response to benefit delivery. Poster presented at the annual meeting of the Human Behavior and Evolution Society in Natal, Brazil.
- Smith, A., Lieberman, Pedersen, E. J., D., **Forster, D. E.,** & McCullough, M. E. (2013). Gratitude and interpersonal welfare valuation. Paper presented at the annual meeting of the Human Behavior and Evolution Society in Miami, Florida.
- Forster, D. E.,** Pedersen, E. J., and McCullough, M. E. (2013). Examining the relationship between code of honor and anger at unfairness in the third-party punishment game. Poster presented at the annual meeting of the Human Behavior and Evolution Society in Miami, Florida.
- Forster, D. E.,** Spencer-Rodgers, J., and Major, B. (2012). Group affirmation protects the self in the face of prejudice. Poster presented at the annual meeting of the Society for Personality and Social Psychology in San Diego, California.
- Fladebo, K. M., **Forster, D. E.,** Major, B., and Spencer-Rodgers, J. (2011). Group affirmation moderates the relationship between perceptions of prejudice and psychological well-being. Poster presented at the annual meeting of the Undergraduate Research and Creative Activities in Santa Barbara, California.

## **DEPARTMENTAL TALKS**

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*Demystifying Bayesian Analysis.* Department of Psychology S. T. Calvin Lecture, University of Miami, February 2017.

## **INVITED TALKS**

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*How First Impressions Impact Relationships Stability and Teamwork.* Department of Psychology, Florida Atlantic University, March 2020.

*Resolving Transgressions: How Victims Use Social Information to Repair Relationships.* Human Research and Engineering Directorate, Army Research Laboratory, April 2018.

## **TEACHING EXPERIENCE**

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### **Instructor of Record**

- Spring 2018            *PIB 705: Biostatistics for Biosciences*  
University of Miami, Programs in the Biomedical Sciences (Graduate)
- Spring 2016            *PSY 292: Introduction to Biobehavioral Statistics*  
University of Miami, Department of Psychology (Undergraduate)
- Spring 2015            *PSY 292: Introduction to Biobehavioral Statistics*  
University of Miami, Department of Psychology (Undergraduate)

### **Teaching Assistant – University of Miami**

- Spring 2017            *Hierarchical Linear Modeling* (Graduate)  
*Multiple Regression and Multivariate Statistics* (Graduate)  
*Evolutionary Psychology* (Undergraduate)  
*Psychology of Cooperation and Prosocial Behavior* (Undergraduate)
- Fall 2016                *Structural Equation Modeling* (Graduate)  
*Psychological Statistics, Research Methods, and Design* (Graduate)  
*Introduction to Psychology* (Undergraduate)
- Spring 2016            *Multiple Regression and Multivariate Statistics* (Graduate)  
*Advanced Research Methods* (Undergraduate)
- Fall 2015                *Structural Equation Modeling* (Graduate)  
*Evolution and Sex* (Undergraduate)

## **AFFILIATIONS**

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Human Behavior and Evolution Society  
Society for Personality and Social Psychology  
American Psychological Association

## **AD HOC REVIEWER**

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*Acta Psychologica*  
*Asian Journal of Social Psychology*  
*Cognition*

*Collabra: Psychology*  
*Cyberpsychology: Journal of Psychosocial Research on Cyberspace*  
*Environment and Behavior*  
*European Journal of Social Psychology*  
*Evolution and Human Behavior*  
*Evolutionary Psychology*  
*Frontiers in Psychology*  
*Journal of Personality and Social Psychology*  
*Personality and Social Psychology Bulletin*  
*Scandinavian Journal of Medicine and Science in Sports*  
*Self and Identity*