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| **Curriculum Vitae** |
| Education |
| Master of Arts in Applied Behavioral Sciences, Wright State University – April, 2017  Bachelor of Arts in Sociology, Wright State University - April, 2013 |
| Academic and Professional Appointments |
| Research Scientist – General Dynamics Information Technology – 2018-present  Associate Human Factors Engineer – CSRA – 2016-2018  Graduate Research Assistant – Wright State University – 2014  Graduate Teaching Assistant – Wright State University – 2013-2014 |
| Awards |
| * John Permenter Soccer Scholarship * Graduate Tuition Scholarship: Applied Behavioral Sciences * Midwest Sociological Society Travel Grant * Graduate Retention Scholarship 2015 * Graduate Retention Scholarship 2016 |
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# Publications

Alarcon, G. M., Jessup. S. A, Ryan, T. J., Capiola, A., Wood, D. W. (in press). Prioritizing tasks in code repair: a psychological exploration of computer code. *Proceedings of the Hawaii International Conference on System Sciences*, *52*

Ryan, T. J., Walter, C., Alarcon, G. M., Gamble, R. F., Jessup, S. A., Capiola, C. (in press). The influence of personality on code reuse. *Proceedings of the Hawaii International Conference on System Sciences*, *52.*

Alarcon, G. M., & Ryan, T.J. (2018). Trustworthiness perceptions of computer code: a heuristic-systematic processing model. *Proceedings of the Hawaii International Conference on System Sciences*, *51*, 1-10.

Alarcon, G. M., Gamble, R. F., Ryan, T. J., Walter, C., Jessup, S. A., Wood, D. W., Capiola, A. (2018). The influence of commenting validity, placement, and style on perceptions of computer code trustworthiness: a heuristic-systematic processing approach. *Applied Ergonomics, 70,* 182-193.

Ryan, T. J., Walter, C., Alarcon, G. M., Gamble, R. F., Jessup, S. A., Capiola, A. A. (2018). Individual differences in trust in code: The moderating effects of personality on the trustworthiness-trust relationship. *HCI International 2018 – Posters' Extended Abstracts*, 370-376.

# Publications – Cont.

Alarcon, G. M., Gamble, R., Jessup, S. A., Walter, C., Ryan, T. J., Wood, D. W., & Calhoun, C. S. (2017). Application of the heuristic-systematic model to computer code trustworthiness: The influence of reputation and transparency. *Cogent Psychology, 4*, 1389640. doi.org/10.1080/23311908.2017.1389640.

Alarcon, G. M., Lyons, J. B., Christensen, J. C., Klosterman, S. L., Bowers, M. A., Ryan, T. J., ... & Wynne, K. T. (2017). The effect of propensity to trust and perceptions of trustworthiness on trust behaviors in dyads. *Behavior Research Methods*. *50*, 1906-1920. doi.org/10.3758/s13428-017-0959-6

Calhoun, C., Bobko, P., Schuelke, M., Jessup, S., Ryan, T., Walter, C., ... & Khazon, S. (2017). *Suspicion, Trust, and Automation Final Report* (Report No. AFRL-RH-WP-TR-2017-0002). Wright-Patterson Air Force Base: Air Force Research Laboratory.

# Publications Under Review

Alarcon, G. M., Lyons, J. B., Wynne, K. T., Ryan, T. J., Stokes, C., & Schneider, T. (under review). Collective efficacy as a mediator of the trust-performance relationship: A multi-level structural equation model. *Manuscript under review at Journal of Psychology: Interdisciplinary and Applied.*

Capiola, A. A., Alarcon, G. M., Ryan, T. J., Jessup, S. A., Lyons, J. B. (under review). Propensity to trust and suspicion propensity: investigating separate, yet related, constructs. *Manuscript under review at Journal of Individual Differences.*

Capiola, A., Alarcon, G. M., Ryan, T. J., Schuelke, M., Wood, D., & Jessup, S. A. (under review). Measuring Complex State Variables. *Manuscript under review at The Journal of Trust Research.*

Capiola, A., Nelson, A. D., Walter, C., Ryan, T. J., Jessup, S. A., & Alarcon, G. M. (under review). Trust in software: Attributes of computer code and the human factors that influence utilization metrics. *Manuscript under review at Human Computer Interaction International 2019.*

Gamble, R., Alarcon, G. M., Ryan, T. J., Walter, C., Jessup, S. A., & Wood, D. W. (under review). The effects of commenting on trust and reuse of computer code. *Manuscript under review at Journal of Systems and Software.*

Jessup, S.A., Schneider, T. R., Alarcon, G. M., Ryan, T. J., & Capiola, A. (under review). Measurement of the propensity to trust automation. *Manuscript under review at Human Computer Interaction International 2019.*

Ryan, T. J., Alarcon, G. M., Walter, C., Gamble, R. F., Jessup, S. A., & Capiola, A. (under review). Trust in automated software repair: The effects of repair source, transparency, and programmer experience on perceived trustworthiness and trust. *Manuscript under review at Human Computer Interaction International 2019.*

# Manuscripts in Preparation

Alarcon, G. M., Ryan, T. J., Capiola, A., Jessup, S. A., & Wood, D. W. (In Progress). The Relationship of Trust and Suspicion in Teams.

Borders, M., Alarcon, G. M., Capiola, A., Ryan, T. J., Jessup, S. A., Schneider, T. (In Progress). Primary and secondary stress appraisals: a longitudinal analysis.

Jessup, S. A., Ryan, T. J., Alarcon, G. M., Wood, D. W., & Capiola, A. (In Progress). The relationship of propensity to trust and trait suspicion.

Ryan, T. J., Alarcon, G. M., Jessup, S. A, Capiola, A., Borders, M., Schneider, T. (In Progress). Investigating automation biases: a longitudinal item response tree analysis.

# National Conference Presentations

Ryan, T. J., Alarcon, G. M., Capiola, A., Jessup, S. A. (2019, February). *Age differences in propensity to trust: A multilevel item response theory analysis.* Poster to be presented at the annual conference of the Society for Personality and Social Psychology, Portland, OR.

Jessup, S. A., Alarcon. G. M., Capiola, A., Ryan, T. J. (2019, February). *Experiential versus rational thinking: are trust and suspicion related to informational processing*? Poster to be presented at the annual conference of the Society for Personality and Social Psychology, Portland, OR.

Alarcon, G. M., Capiola, A., Ryan, T. J., Borders, M., Jessup, S. A. (2019, February). *Cognitive associations between suspicion, trust, and distrust*. Poster to be presented at the annual conference of the Society for Personality and Social Psychology, Portland, OR.

Jessup, S. A., Ryan, T. J., Alarcon, G. M., Capiola, A., & Wood, D. W. (2018, March). *Measuring trait trust and suspicion: A multi-study analysis of two related but separate constructs*. Poster under review for the annual conference of the Society for Personality and Social Psychology, Atlanta, GA.

Ryan, T. J., Alarcon, G. M., Lyons, J. B., Stokes, C., & Schneider, T. (August, 2017). *Communication, Trust and performance in computer-mediated teams.* Poster presented at the 125th annual conference of the American Psychological Association, Washington, D.C.

Jessup, S. A.., Alarcon, G. M., Gamble, R. F., Walter, C. w., Ryan, T. J., & Wood, D. W. (August, 2017). *The influence of reputation and transparency on reuse and perceptions of computer code trustworthiness.* Poster presented at the 125th annual conference of the American Psychological Association, Washington, D.C.

Ryan, T. J. (2015). *Foucaultian Analysis of Sex Offender Legislation contra Wacquant.* Research presentation at the annual conference of the North Central Sociological Association, Cleveland, OH.

Varhola, J., Bezdecny, K., Ryan, T. J. (2015). *Geospatial Analysis of Sex Offender Residencies in Ohio.* Research presentation at the annual conference of the North Central Sociological Association, Cleveland, OH.

Ryan, T. J. (2012). *Concealed Carry Permit Issuance and Its Effects on Violent and Property Crime in Ohio.* Poster presented at the annual conference of the Midwest Sociological Society, Chicago, IL.

# Technical Skills

Statistics

* ANOVA and Regression
  + Repeated Measures ANOVA
  + MANOVA
  + Logistic, multinomial, poisson, etc.
  + Multilevel/Mixed Effects regression
    - Linear and generalized linear regression
    - Cross-classified, multiple membership
    - Growth models
    - Social relations model
* Structural Equation Modeling
  + EFA/CFA
  + Longitudinal analysis
  + Moderation/Mediation, moderated-mediation
  + Multilevel
  + Latent Class Analysis
* Item Response Theory models
  + Unidimensional and multidimensional
  + Item response trees
* Monte Carlo Simulation
  + ANOVA, GLM, LMM, GLMM, SEM, IRT
* Survival Analysis
* Misc
  + Spatial Statistics
  + Network Analysis
  + Text and Semantic analysis

Programming Languages

* R – Extensive knowledge on programming, data cleaning and manipulation, analysis, presentation, and simulation.
* Python – Moderate knowledge on data collection, cleaning, and manipulation.
* HTML/CSS – Moderate knowledge on web development.
* C/C++ – Minor knowledge on data manipulation and simulation.
* SQL – Minor knowledge on data storage and manipulation

# Technical Skills – Cont.

Software Packages

* Mplus, HLM, Qualtrics, LimeSurvey, Amazon’s Mechanical Turk, ArcGIS, PsychoPy, Matlab, SPSS, Excel.

Misc

* Minor experience with EEG data collection, manipulation, and analysis.
* Minor experience with Eye-tracker data collection, manipulation, and analysis.

# Research Interests

* Interpersonal trust
  + Differentiating between trust, cooperation, and mere reliance.
  + The effects of organizational and community policy on trust and cooperation.
* (Generalized) linear mixed models
* Structural equation modeling
* Item response theory
* Spatial Statistics
* Social Network Analysis