Joseph A. Colantonio II

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Education

2018–Present	**PhD in Psychology, Cognition, Rutgers University, Newark, NJ USA.**
2021	MA in Psychology, Cognitive Science, Rutgers University, Newark.
2016–2018	Non-Matriculating Graduate Student, Rutgers University, Newark.
2012–2016	BA in Applied Mathematics, Minors in Psychology and Physics, Rutgers University, Newark.

Grants, Fellowships & Awards

2018–2020	**National Institutes of Health** - *Minority Biomedical Research Support Program*
2020	**National Science Foundation** - *Graduate Research Fellowship, Honorable Mention*
2019	**Cognitive Development Society** - *Graduate Student Diversity Travel Award*
2018	**Society for Philosophy and Psychology** - *Graduate Student Travel Award*
	Rutgers University-Newark
2016-2018	*Post-Baccalaureate Research Experience Program Grant*
2016	*Inaugural Charles Pine Interdisciplinary Award - Mathematics & Physical Sciences*
2012-2016	*Dean's List*
2015	*Phi Beta Kappa*
2015-2016	*Undergraduate Biomedical Research Support Grant*
2014	*Garden State-Louis Stokes Alliance for Minority Participation - Membership*
2015-2016	*Dan and Lisa DiFilippo Endowed Scholarship*
2013-2016	*Arthur B. Newman Honors College Scholars*

Research Experience

	Computational Cognitive Development Lab **Harvard University**
2020–Present	**Research Staff**
	Computational Cognitive Development Lab **Rutgers-Newark**
2018–Present	**Graduate Research Assistant**
2016–2018	Post-Bachelor Research Technician
2014–2016	Undergraduate Honors Research Student

Teaching Experience

	Graduate School of Education **Harvard University**
2021–Present	**Teaching Fellow** *Course:*Curiosity and Creativity in Learning and Development
	Psychology Department **Rutgers-Newark**
2020–Present	**Graduate Teaching Assistant** *Courses:* Statistical Methods for the Cognitive and Behavioral Sciences, Research Methods for the Cognitive and Behavioral Sciences
2020–Present	**Course Coadjutant** *Courses:* Developmental Psychology, Psychology of Language
	Mathematics Department - Rutgers-Newark
2014	Teaching Apprentice Advisor: Dr. William Keigher *Course:* Precalculus

Mentoring & Outreach

	Graduate School of Education **Harvard University**
2021–Present	*Masters Student:* Xiao (Zoe) Feng
	Psychology Department **Rutgers-Newark**
2016–Present	*Undergraduate Honors Students:* Umradha Shievkumar (2020)
	Undergraduate Research Assistants: **LIST TO BE ADDED HERE**
2020–Present	**Psi Chi National Honor Society** **Graduate Liason & Executive Board Member** Coordinate and lead chapter workshops & meetings. Coordinate graduate-undergraduate mentorships.
2020	NSF REU, Rutgers-Newark Recruit and supervise undergraduate interns
2015–2016	Garden State-Louis Stokes Alliance for Minority Participation Peer-led Instructional Team Leader *Courses:* Calculus I, Calculus II, Linear Algebra, Computers & Programming I, Programming II

News & Social Media

2020	**Child Trends News Service - Postitive Parenting News Network** *The Power of Awe Sparks Learning*
2019	**Child & Family Blog** *A New Idea For Early Learning In Pre-Schoolers: Inspire Them With Awe*

Publications

MANUSCRIPTS

Colantonio, J., Bascandziev, I., Theobald, M., Brod, G. and Bonawitz, E. (*in review*) Priors, Progressions, and Predictions in Science Learning: Theory-Based Bayesian Models of Children's Revising Beliefs of Water Displacement.

Colantonio, J., Walden, Z., Dehrone, T., and Bonawitz, E. (*in prep*) Empowering Exploration: Learned Resource Sharing Increases Variability in Preschoolers' Play.

Colantonio, J., Durkin, K., Caglar, L. R., Shafto, P., and Bonawitz, E. (*accepted*, 2021) The Intentional Selection Assumption. *Frontiers in Psychology, Decision Neuroscience.*

Kominsky, J., Begus, K., Bass, I., ***Colantonio, J.***, Leonard, J., Mackey, A., and Bonawitz, E. (*accepted*, 2021) Organizing the Methodological Toolbox: Lessons Learned From Implementing Developmental Methods Online.

COMMENTARY

Persaud, K., I. Bass, ***Colantonio, J.***, Macias, C., and Bonawitz, E. (2020) Opportunities and Challenges Integrating Resource-Rational Analysis with Developmental Perspectives. [Peer commentary on "Resource-rational analysis: understanding human cognition as the optimal use of limited computational resources" by F. Lieder & T. L. Griffiths]. *Brain and Behavioral Sciences.*

CONFERENCE PROCEEDINGS

Colantonio, J., and Bonawitz, E. (2018) Awesome play: Awe increases preschooler's exploration and discovery, in *Proceedings of the 40th Annual Conference of the Cognitive Science Society.*, Madison, Wisconsin, USA.

THESES

Colantonio, J. (2020) The Time to Choose Another Strategy: The Effects of Time Horizon Constraints on Young Children's Explore-Exploit Strategies *Psychology Department, Rutgers-Newark Pre-doctoral Qualifying Exam.*

Colantonio, J. (2016) Quantifying Children's Development Across Standard False-Belief Trials. *Rutgers University Undergraduate Honors Thesis.* Advisers: Elizabeth Bonawitz and Patrick Shafto.

Presentations

Talks

Colantonio, J., Bascandziev, I., Theobald, M., Brod, G. and Bonawitz, E. (2021)"*Theory-Based Bayesian Models of Elementary School Children's Pupillary Surprise,*" Symposium paper to be presented at Society for Research in Child Development, Wisconsin, USA. Conference held virtually due to COVID-19)

Colantonio, J., Sharp, S., Mackey, A., and Bonawitz, E. (2021) "*Promoting Question Asking to Foster Curiosity: An Intervention Study,*" Symposium paper to be presented at Society for Research in Child Development, Wisconsin, USA. Conference held virtually due to COVID-19)

Colantonio, J., and Bonawitz, E. (2019) "*Affecting play: Awe increases preschooler's exploration and discovery,*"Lightning Talk presented at the Curiosity, Explanation, Exploration Workshop, Princeton, New Jersey, USA.

Colantonio, J., Walden, Z., Dehrone, T., and Bonawitz, E. (2019) "*When Innovators Succeed: Empowerment Strategies Increase Preschoolers' Exploration,*" Speed Talk presented at the Play and Learning Conference, Newark, USA.

Colantonio, J., and Bonawitz, E. (2019) *"Affecting play: Awe increases preschooler's exploration and discovery,"* Talk presented at the Society for Research in Child Development, Baltimore, Maryland, USA.

Colantonio, J., and Bonawitz, E. (2018) *"Affecting play: Awe increases preschooler's exploration and discovery,"* Talk presented at the Society for Philosophy and Psychology, Ann Arbor, Michigan, USA.

K. Blacker, **Colantonio, J.**, LoBue, V., and Bonawitz, E. (2017) *"Reasoning about the process of illness transmission improves preschoolers' later avoidance of sick individuals,"* Talk presented at the Society for Research in Child Development., Austin, Texas, USA.

Posters

Colantonio, J., Bascandziev, I., Theobald, M., Brod, G. and Bonawitz, E. (2020) *"Modeling pupillary surprise response in elementary school children with theory-based Bayesian models,"* Poster session presented at the 42nd Annual Conference of the Cognitive Science Society, Toronto, Canada. (Conference held virtually due to COVID-19)

Colantonio, J., Walden, Z., Dehrone, T., and Bonawitz, E. (2019) *"When Innovators Succeed: Empowerment Strategies Increase Preschoolers' Exploration,"* Poster session presented at the 10th Biennial Meeting of the Cognitive Development Society, Kentucky, USA.

Colantonio, J., Walden, Z., Dehrone, T., and Bonawitz, E. (2018) *"When Innovators Succeed: Empowerment Strategies Increase Preschoolers' Exploration, "*Poster session presented at the Guided Playful Workshop of the 41st Annual Conference of the Cognitive Science Society, Montreal, Canada.

Colantonio, J., and Bonawitz, E. (2018) "Awesome play: Awe increases preschooler's exploration and discovery," in *Proceedings of the 40th Annual Conference of the Cognitive Science Society.*, Madison, Wisconsin, USA.

Durkin, K., **Colantonio, J.**, Caglar, L., Bonawitz, E., and Shafto, P. (2017) *"Why are these my options? Roles of social inferences in choice behavior."* Poster session presented at the 10th Biennial Meeting of the Cognitive Development Society, Portland, Oregon, USA.

Durkin, K., **Colantonio, J.**, Caglar, L., Bonawitz, E., and Shafto, P. (2017) *"Why are these my options? Roles of social inferences in choice behavior."*Poster session presented at the 43rd Annual Meeting of the Society for Philosophy and Psychology, Baltimore, Maryland, USA.

Skills

Programming	Python, HTML, CSS, Github, LaTeX
Software	MS Office, SPSS, Qualtrics, HitFilm, Atom, Jupyter/INotebooks