Maria C D'Angelo, PhD

www.mariacdangelo.com www.github.com/MCDAngelo

Artist Statement

As a scientist with a PhD in cognitive psychology and a postdoctoral focus in cognitive neuroscience, I bring my love of science to my creative endeavors. My transition into data science deepened my fascination with geometric patterns and variations on a theme, reflecting the intricate connections I have studied in the human mind. Living in the Rockies has further inspired my work, intertwining my love for the outdoors with photography, yarn crafts, and sewing/quilting. Each piece I craft is imbued with love and intention, often created during moments of caregiving as a mother of two. I spent countless hours postpartum creating knitted and sewn items that marked the passage of time, celebrating the joy of family and connection.

My artistic practice honors my loved ones. I create with someone in mind, channeling my emotions into the work, while embracing my role as a process artist. I enjoy tinkering and learning new techniques to expand my creative toolkit. This exploration parallels my work in data science and coding, where myriad ways exist to solve problems and visualize patterns. Through my art, I reflect the structures, colors, and repetitions found in nature, inviting viewers to appreciate their beauty.

Arts & Cultural Training

July 2024	Watercolor 101, online course at malleryjane.com
Sept 2022	Georgia Tee Workshop, Needlework, Hamilton ON
Jan-Mar 2022	Self-taught sewing and quilting techniques by watching YouTube
2012-2018	Self-taught knitting techniques using books and YouTube videos
2010-2013	Weekly local craft club, textile and yarn-crafts, Hamilton ON
Winter 2011	Urban Photography Course, Universidad de Granada, Spain
2002-2003	Visual Arts, Film Photography courses, Loyola Catholic Secondary School, Mississauga ON

Employment History

2020-present	Staff Product Data Scientist (previously Data Science Manager) Shopify
2018-2020	Director of Data Science (previously Senior Data Scientist) Delphia
2017-2018	Data Scientist Zero Gravity Labs, LoyaltyOne
2016-2017	Research Scientist Maple Leaf Sports & Entertainment
2013-2016	Postdoctoral Research Fellow Rotman Research Institute at Baycrest
2007-2012	Teaching Assistant Department of Psychology, Neuroscience & Behaviour McMaster University
2006-2008	Research Assistant Programme for Educational Research and Development McMaster University

Education

Ph.D., Psychology, Neuroscience & Behaviour, 2008-2013
Valedictorian, McMaster University

B.Sc, Honours Psychology, 2004-2008
Summa Cum Laude, McMaster University

Selected Academic Publications

For a full list, see my google scholar profile.

1. Rosenbaum, R. S., Halilova, J. G., Agnihotri, S., **D'Angelo, M. C.,** Winocur, G., Ryan, J. D., & Moscovitch, M. Dramatic changes to well-known places go unnoticed. *Neuropsychologia, 196*, 108818. https://doi.org/10.1016/j.neuropsychologia.2024.108818
2. Ryan, J. D., Kacollja, A., **D'Angelo, M. C.,** Newsome, R. N., Gardner, S., & Rosenbaum, R. S. (2020). Existing semantic knowledge provides a schematic scaffold for inference in early cognitive decline, but not in amnestic MCI. *Memory,* 28(1), 75–96. https://doi.org/10.1080/02643294.2019.1684886
3. Ryan, J. D., **D'Angelo, M. C.**, Kacollja, A., Gardner, S., & Rosenbaum, R. S. (2020). Gradual learning and inflexible strategy use in amnesia: Evidence from case HC. *Neuropsychologia,* 137, 107280. DOI: https://doi.org/10.1016/j.neuropsychologia.2019.107280

4. D'Angelo, M.C., Kacollja, A., Noly-Gandon, A., Barense, M.D., & Ryan, J.D. (2017). Breaking down unitization: Is the whole greater than the sum of its parts? *Memory & Cognition,* DOI: https://doi.org/10.3758/s13421-017-0736-x
5. D'Angelo, M.C., Kacollja, A., Rabin, J.S., Rosenbaum, R.S., & Ryan, J.D. (2015). Unitization supports lasting performance and generalization on a relational memory task: Evidence from a previously undocumented developmental amnesic case. *Neuropsychologia, 77,* 185-200.
6. D'Angelo, M.C., & Humphreys, K.R. (2015). Tip-of-the-Tongue states reoccur because of implicit learning, but resolving them helps. *Cognition, 142,* 166-190. doi:10.1016/j.cognition.2015.05.019