

JULIA MAE JULIANO

EDUCATION

Ph.D. Neuroscience, Neuroscience Graduate Program, University of Southern California, Aug. 2018 - Present
B.S. Computational Mathematics, Magna Cum Laude, Barrett Honors College, Arizona State University, Dec. 2014
B.S. Secondary Education with an Emphasis in Math, Summa Cum Laude, Grand Canyon University, May 2012
Associate in Arts with Distinction, Honors Program, Scottsdale Community College, May 2010

PUBLICATIONS

1. **Juliano, J.M.**, & Liew, S.-L. (2020). Transfer of motor skill between virtual reality viewed using a head-mounted display and conventional screen environments. *Journal of Neuroengineering and Rehabilitation*, 17, 1-13.
2. Liew, S. L., Zavaliangos-Petropulu, A., Jahanshad, N., Lang, C.E., Hayward, K.S., Lohse, K.R., **Juliano, J.M.**, ... & Bigjahan, B. (2020). The ENIGMA Stroke Recovery Working Group: Big data neuroimaging to study brain-behavior relationships after stroke. *Human Brain Mapping*.
3. **Juliano J.M.**, Spicer R., Vourvopoulos A., Lefebvre S., Jann K., Santarnecchi E., Krum D., Liew S.-L. (2020). Embodiment is related to better performance on a brain-computer interface in immersive virtual reality: A pilot study. *Sensors*, 20(4), 1204.
4. Wang Y., **Juliano J.M.**, Liew S.-L., McKinney A., & Payabvash S. (2019). Stroke atlas of the brain: Voxel-wise density-based clustering of infarct lesions topographic distribution. *NeuroImage: Clinical*, 24, 101981.
5. Wathugala, M.*, Saldana, D.*, **Juliano, J.M.**, Chan, J., & Liew, S.-L. (2019). Mindfulness Meditation Effects on Poststroke Spasticity: A Feasibility Study. *Journal of Evidence-Based Integrative Medicine*, 24, 2515690X19855941.
6. Ortiz J.B., **Anglin J.M.**, Daas E.J., Paode P.R., Nishimura K., & Conrad C.D. (2018). BDNF and TrkB mediate the improvement from chronic stress-induced spatial memory deficits and CA3 dendritic retraction. *Neuroscience*, 388, 330-346.
7. Liew S.-L.*, **Anglin J.M.***, Banks N.W., Sondag M., Ito K.L., Kim H., ... & Lefebvre S. (2018). A large, open source dataset of stroke anatomical brain images and manual lesion segmentations. *Scientific Data*, 5, 180011.
8. **Anglin J.M.**, Sugiyama T., & Liew S.-L. (2017). Visuomotor adaptation in head-mounted virtual reality versus conventional training. *Scientific Reports*, 7, 45469.
9. Ito K., **Anglin J.M.**, Kim H., & Liew S.-L. (2017). Semi-automated robust quantification of lesions (SRQL) Toolbox. *Research Ideas and Outcomes*, 3, e13395.
10. Kan E., **Anglin J.M.**, Borich M., Jahanshad N., Thompson P., & Liew S.-L. (2016). Facilitating big data meta-analyses for clinical neuroimaging through ENIGMA wrapper scripts. *GigaScience*, 5, 17-19.
11. Taylor S.B., **Anglin J.M.**, Paode P.R., Riggert A.G., Olive M.F., Conrad C.D. (2014). Chronic stress may facilitate the recruitment of habit- and addiction-related neurocircuits through neuronal restructuring of the striatum. *Neuroscience*, 280, 231-242.
12. Loaiza V., Rhodes, M., **Anglin J.M.** (2013). The influence of age-related differences in prior knowledge and attentional refreshing opportunities on episodic memory. *The Journals of Gerontology Series B: Psychological Sciences and Social Sciences*, 70(5), 729-736.

* Denotes equal authorship

SELECTED CONFERENCE PROCEEDINGS

1. **Juliano J.M.**, Saldana D., Schmiesing A., Liew S.-L. (2019, July). Experience with head-mounted virtual reality (HMD-VR) predicts transfer of HMD-VR motor skills. *Int. Conference for Virtual Rehabilitation*, Tel Aviv, Israel.
2. **Juliano J.M.**, Spicer R.P., Saldana D., Finnegan F., Lefebvre S., ... & Liew S.-L. (2018, November). Embodiment improves performance on an immersive brain computer interface in head-mounted virtual reality. *Society for Neuroscience*, San Diego, CA.
3. **Anglin J.M.**, Liew S.-L., Banks N.W., Sondag M., Ito K.L., ... & Stroud A. (2017, November). The Anatomical Tracings of Lesions After Stroke (ATLAS) Dataset - Release 1.1. *Society for Neuroscience*, Washington, D.C.
4. **Anglin J.M.**, Liew S.-L., Banks N.W., Sondag M., Ito K.L., ... & Stroud A. (2017, November). The Anatomical Tracings of Lesions After Stroke (ATLAS) Dataset - Release 1.1. *American Society of Neurorehabilitation*, Baltimore, MD.

5. **Anglin J.M.**, Saldana D., Schmiessing A., & Liew S.-L. (2017, March). Transfer of a skilled motor learning task between virtual and conventional training environments. *IEEE Virtual Reality Conference*, Los Angeles, CA.
6. **Anglin J.M.** Sugiyama T., & Liew S.-L. (2016, November). Visuomotor adaptation in head-mounted virtual reality versus conventional training. *Society for Neuroscience*, San Diego, CA. *Selected for Hot Topics*.
7. **Anglin J.M.**, Ortiz J.B., Paode P.R., Taylor S.B., Nishimura K.J., Maalouf N.E., Kemmou S., Judd J.M., & Conrad C.D. (2015, October). TrkB may mediate the recovery from chronic-stress spatial memory deficits and CA3 dendritic retraction. *Society for Neuroscience*, Chicago, IL.
8. **Anglin J.M.** (2014, November). Innovative strategies used to teach mathematics: A look at educators and classrooms across six countries. *Undergraduate Thesis Defense, Arizona State University*, Tempe, AZ.
9. **Anglin J.M.**, Riggert A.G., Paode P.R., Tang T.M., Olive M.F., Conrad C.D., & Taylor S.B. (2014, February). Chronic stress-induced habits may pave the road to addiction. American Association for the Advancement of Science (AAAS). Chicago, IL.
10. **Anglin J.M.**, Riggert A.G., Paode P.R., Tang T.M., Olive M.F., Conrad C.D., & Taylor S.B. (2013, October). Chronic stress-induced habits may pave the road to addiction. Carnegie Mellon Workshop for Undergraduate Women in Computer Science. Pittsburgh, PA.

GRANTS, FELLOWSHIPS, AND AWARDS

Fellowship in Modeling, Simulation, & Training, Link Foundation, 2020 – 2021

- \$30,000.00 grant to fund research.

NGP T32 Training Grant, USC Neuroscience Graduate Program, 2019 – 2020

- Provided one year of fellowship.

Rose Hills Foundation Fellowship, USC Graduate School, 2018 – 2019

- Provided one year of fellowship and four years of support as a teaching or research assistant.

Circumnavigator Travel-Study Grant, Circumnavigators Club and Barrett Honors College, Summer 2013

- \$9,000 grant to cover travel and research expenses.

All-Arizona Academic Team Scholarship, Phi Theta Kappa, 2012 – 2014

- 60 undergraduate credit hours tuition waiver to Arizona State University.

Presidents' Scholarship, Grand Canyon University, 2010 – 12

- \$7,000 per school year - highest academic scholarship awarded for transfer students.

Athletic Scholarship, Grand Canyon University, 2010 – 12

- Covered entire amount of college expenses that was not already covered by academic scholarships.

Presidents' Scholarship, Scottsdale Community College, 2008 – 10

- Two-year tuition wavier.

Athletic Scholarship, Scottsdale Community College, 2008 – 10

- Covered fees and textbook expenses.

HONORS

NSF GRFP Honorable Mention, 2018, 2015

Dean's List of the College of Liberal Arts and Sciences, Fall 2014, Fall 2013

Barrett Honors Program, Arizona State University, August 2012 – December 2014

President's List (3.8 – 4.0 GPA), Grand Canyon University, 2012

Honors Program, Scottsdale Community College, August 2008 – May 2010

Athletic Honors while active on the Women's Soccer Team, Grand Canyon University

- PacWest Academic All-Conference Team, 2011 – 12
- Second Team All-PacWest, 2011 – 12

Athletic Honors while active on the Women's Soccer and Tennis Teams, Scottsdale Community College

- National Junior College Athletic Association All-American Academic Team, Tennis, 2009 – 10
- National Junior College Athletic Association First Team All-Region 1, Soccer, 2009 – 10
- Arizona Community College Athletic Conference (ACCAC) First Team, Soccer, 2009 – 10

PROFESSIONAL SKILLS

- Programming Languages: R, MATLAB, Python, Unity and C#, Bash, Java, C++
- Computer Competency: Microsoft Suite, Slack, PC and Mac platforms