Updated: 01/18/2022 Maiden Name: Anglin

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

PUBLICATIONS

1. **Juliano J.M.**, Phanord C., Liew S.L. (2021) Visual processing of action directed toward three-dimensional objects in immersive virtual reality involves holistic processing of object shape. *Manuscript submitted for publication.*
2. **Juliano J.M.**, Schweighofer N., Liew S.L. (2021) Increased cognitive load in immersive virtual reality during visuomotor adaptation is associated with decreased long-term retention and context transfer. *Manuscript submitted for publication*.
3. Liew S.L.*, Lo B.*, Donnelly M.R., Zavaliangos-Petropulu A., Jeong J.N., Barisano G., Hutton A., Simon J.P., **Juliano J.M.**, … (2021). A large, curated, open-source stroke neuroimaging dataset to improve lesion segmentation algorithms. *Manuscript submitted for publication*.
4. **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.
5. **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.
6. Liew, S. L., Zavaliangos-Petropulu, A., Jahanshad, N., Lang, C.E., Hayward, K.S., Lohse, K.R., **Juliano, J.M.**, ... (2020). The ENIGMA Stroke Recovery Working Group: Big data neuroimaging to study brain–behavior relationships after stroke. *Human Brain Mapping.*
7. 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.
8. 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.
9. 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.
10. 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.
11. **Anglin J.M.**, Sugiyama T., & Liew S.-L. (2017). Visuomotor adaptation in head-mounted virtual reality versus conventional training. *Scientific Reports*, 7, 45469.
12. 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.
13. 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.
14. 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 neurocircuitries through neuronal restructuring of the striatum. *Neuroscience*, 280, 231-242.
15. Anglin J.M. (2014). Innovative strategies used to teach mathematics: A look at educators and classrooms across six countries. *Barrett, The Honors College Thesis*.
16. 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.**, Liew S.-L. (2021, September). Visuomotor adaptation in HMD-VR increases cognitive load. *Int. Conference on Disability, Virtual Reality & Associated Technologies,* Serpa, Portugal.

2. **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.
3. **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.
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. *Society for Neuroscience,* Washington, D.C.
5. **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.
6. **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.
7. **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.*
8. **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.
9. **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.
10. **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.
11. **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.

SELECTED AWARDS, FELLOWSHIPS, GRANTS, AND HONORS

Fellowship in Modeling, Simulation, & Training, Link Foundation, 2020 – 2022
- $30,000.00 grant to fund research; awarded renewal for an additional year.

NGP T32 Training Grant, USC Neuroscience Graduate Program, 2019 – 2020
- Provided one year of fellowship funding.

Rose Hills Foundation Fellowship, USC Graduate School, 2018 – 2019
- Provided one year of fellowship funding and four years of support as a teaching or research assistant.

NSF GRFP Honorable Mention, 2018, 2015

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 academic year; highest academic scholarship awarded for transfer students.

Athletic Scholarship, Grand Canyon University, 2010 – 12
- Awarded PacWest Academic All-Conference Team, 2011 – 12
- Awarded Second Team All-PacWest, 2011 – 12

Presidents' Scholarship, Scottsdale Community College, 2008 – 10
- Two-year tuition wavier.

Athletic Scholarship, Scottsdale Community College, 2008 – 10
- Team Captain: 2009 – 10
- Awarded National Junior College Athletic Association First Team All-Region 1, 2009 – 10
- Awarded Arizona Community College Athletic Conference (ACCAC) First Team, 2009 – 10

PROFESSIONAL SKILLS

- Programming Languages: R, MATLAB, Python, Unity and C#