Dustin Bryce Ellis Luchmee

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Education

Drexel University | Philadelphia, PA   *December 2021*
Master of Science, Data Science

University of Richmond | Richmond, VA   *May 2013*
Bachelor of Arts, Psychology and Cognitive Science

Professional Skills

- Data acquisition & preprocessing
- Data mining
- Data analysis
- Data visualization
- Blogging
- Research methods

- Python programming
- Applied machine learning for data science
- Natural language processing for data science
- Social network analysis
- Content Development
- Data science

Professional Experience

HappyNeuron-US | Philadelphia, PA   *2019-Present*
Product Owner
- Work with the consulting branch of Humans Matter to further business development via answering requests for proposals.
- Provide product education and technical support to clients by hosting training sessions.
- Develop written and video content to attract prospective clients and educate current clients on company solutions.
- Present company solutions at conferences.
- Drive sales of company solutions through customer service, customized nurturing, and by providing education.

Moss Rehabilitation Research Institute | Elkins Park, PA
Research Assistant, Neuroplasticity and Motor Behavior Laboratory   *2016-2019*
- Assisted in protocol design and implementation of studies as well as managed timelines for recruitment of participants, collection, and analysis of data.
- Trained junior laboratory members in data collection, analysis, procedures, use of technology, and provided orientation to the institute and laboratory.
- Did preliminary analysis using Excel/SPSS to describe findings in data.
- Worked closely with the IRB coordinator to ensure proper conduct of research and make modifications as needed to ensure adherence to protocols.
- Conducted literature searches as needed to assist in review article and protocol design.
- Presented and designed posters for conferences as well as figures for posters and papers.
- Provided feedback and assistance with implementation of the new patient registry.
- Assisted and coordinated with scientists, patients, and fundraising teams for donor presentations.

Professional Accomplishments

Research Publications
- Johnson, T., Ridgeway, G., Luchmee, D., & Kantak, S. **(2021)**. Bimanual coordination during reach-to-grasp actions is sensitive to task goal with distinctions between left- and right- hemispheric stroke. *Submitted.*
- Kantak, S., & Luchmee, D. **(2020)**. Contralesional motor cortex is causally engaged during more dexterous actions of the paretic hand after stroke-A Preliminary report. *Neuroscience Letters*, 134751.
- Kantak, S., McGrath, R., Zahedi, N. & Luchmee, D. **(2017)**. Behavioral and neurophysiological mechanisms underlying motor skill learning in patients with post - stroke hemiparesis. *Clinical Neurophysiology*, 129(1), 1 - 12.

Research Presentations
- Kantak, S. & Luchmee, D. (**2017**, November). *Dexterity requirements modulate ipsilateral motor corticospinal excitability in post-stroke individuals.* Poster session presented at the annual Society for Neuroscience conference in Washington, D.C.