

# Dustin Bryce Ellis Luchmee

Philadelphia, PA

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## Education

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

December 2021

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

May 2013

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## Professional Skills

- Data acquisition & preprocessing
  - Data mining
  - Data analysis
  - Data visualization
  - Blogging
  - Research methods
  - Python
  - Applied machine learning for data science
  - Natural language processing for data science
  - Social network analysis
  - Content Development
  - Data science
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## Professional Experience

**HappyNeuron-US** | Philadelphia, PA  
**Product Owner**

2019-Present

- 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 conduction 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., Jacob, J., & Kantak, S. (2022). [Bimanual coordination during reach-to-grasp actions is sensitive to task goal with distinctions between left and right hemispheric stroke](#). *Experimental Brain Research*, 1-15.
- 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.
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