Dustin Luchmee (M.S.)

Professional Skills

- Python
- R-Studio
- SQL
- Data Analysis

- Data Visualization
- Data Reporting
- Applied Machine Learning
- NLP

- Social Network Analysis
- User Experience
- Research Methods
- Experimental Design

Professional Experience

HappyNeuron-US | Philadelphia, PA   *2019-2022*
Product Owner

- Spearheaded the creation of written and video content to attract prospective clients and communicate company solutions; present company solutions at conferences.
- Forged and foster strong client relationships to drive sales of company solutions and promote satisfaction and retention.
- Facilitated training sessions to coach clients in product knowledge and offer technical support; explain complex technical concepts in easy-to-understand terms.
- Partnered with the consulting branch of Humans Matter to boost business development by responding to proposal requests.

Moss Rehabilitation Research Institute | Elkins Park, PA   *2016-2022*
Research Assistant, Neuroplasticity and Motor Behavior Laboratory

- Collaborated in protocol design and implementation of diverse research studies; managed and structured timelines for participant recruitment, data collection, and data analysis.
- Utilized advanced knowledge of Excel and SPSS to conduct preliminary analysis and describe data findings; aided with review article and protocol design via comprehensive literature searches.
- Coached and mentored junior laboratory members in data collection, data analysis, procedures, best practices, and proper use of technology.
- Oriented new team members to the institute and laboratory; answered questions and promoted continual improvement.
- Cooperated with scientists, patients, and fundraising teams to deliver compelling donor presentations; designed and distributed posters for conferences, as well as figures for posters and papers.
- Communicated proactively to provide constructive feedback and support with implementation of new patient registry.

University of Pennsylvania | Philadelphia, PA   *2014-2015*
Research Intern, Center for Cognitive Neuroscience

- Managed the recruitment of participants for studies and the scheduling and conduction of neuroimaging sessions.
- Conducted and assisted senior lab members with neurostimulation sessions and behavioral testing.
- Shared and explained preliminary findings of studies with laboratory staff.
- Managed diverse research studies utilizing behavioral, neurophysiological, and medical imaging techniques.

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.