

Anton Leontyev

PhD Student

Research Interests

- Human-computer interaction
- Attention deficit/Hyperactivity Disorder
- Motor control
- Impulsivity
- Big Data

Education

2016 - **Ph.D. Cognition and Cognitive Neuroscience**, *Texas A&M University*,
currently College Station, TX.

2014 - 2016 **Graduate Coursework in Experimental Psychology**, *University of Louisiana at Lafayette*, Lafayette, LA.

2009 - 2013 **B.S. Psychology**, *National Research University - Higher School of Economics*,
Moscow, Russia.

Experience

2016 - **Yamauchi Cognition Lab**, *Texas A&M University*, College Station, TX.
Current

2014 - 2016 **Louisiana Music and Psychology Lab**, *University of Louisiana at Lafayette*,
Lafayette, LA.

2009 - 2013 **Cognitive Research Lab**, *National Research University - Higher School of Economics*, Moscow, Russia.

Publications

Under Review

Leontyev, A., & Yamauchi, T. (n.d.). Discerning mouse trajectory features with drift diffusion model.

Razavi, M., Yamauchi, T., Janfaza, V., **Leontyev, A.**, Longmire-Monford, S., & Orr, J. (n.d.). Multimodal-multisensory experiments.

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Journal Articles

- Leontyev, A.**, & Yamauchi, T. (2019). Mouse movement measures enhance the stop-signal task in adult adhd assessment. *PLOS ONE*, 14(11), 1–31. <https://doi.org/10.1371/journal.pone.0225437>
- Leontyev, A.**, Sun, S., Wolfe, M., & Yamauchi, T. (2018). Augmented go/no-go task: Mouse cursor motion measures improve adhd symptom assessment in healthy college students. *Frontiers in Psychology*, 9, 496.
- Yamauchi, T., **Leontyev, A.**, & Wolfe, M. (2017). Choice reaching trajectory analysis as essential behavioral measures for psychological science. *Insights in Psychology*, 1(4), 1.

Proceedings

- Leontyev, A.**, Yamauchi, T., & Razavi, M. (2019). Machine learning stop signal test (ml-sst): ML-based mouse tracking enhances adult adhd diagnosis. *2019 8th international conference on affective computing and intelligent interaction workshops and demos (aciww)*, 1–5. <https://doi.org/10.1109/ACIIW.2019.8925073>
- Yamauchi, T., **Leontyev, A.**, & Razavi, M. (2019). Assessing emotion by mouse-cursor tracking: Theoretical and empirical rationales. *2019 8th international conference on affective computing and intelligent interaction (acii)*. Cambridge, United Kingdom.
- Yamauchi, T., **Leontyev, A.**, & Razavi, M. (2019). Mouse tracking measures reveal cognitive conflicts better than response time and accuracy measures. *Proceedings of the 41st annual conference of the cognitive science society*, 3150–3156. Montreal, Quebec, Canada.
- Yamauchi, T., & **Leontyev, A.** (2018). HBU: Human behavior understanding by choice reaching. *Proceedings of the 40th annual conference of the cognitive science society*. Madison, Wisconsin, USA.

Posters

- Leontyev, A.**, Razavi, M., & Yamauchi, T. (2020). *Predicting adhd questionnaire scores from motor behavior using machine learning in python*. Poster session presented at the 2020 SciPy conference.
- Saenz, G., Smith, S., & **Leontyev, A.** (2019). *Is there a metacognitive “trait”? Investigating individual differences in performance predictions*. Poster session presented at the 60th annual meeting of the Psychonomics Society, Montreal, Quebec, Canada.
- Saenz, G., Smith, S., & **Leontyev, A.** (2019). *Is there a metacognitive “trait”? Investigating individual differences in performance predictions*. Poster session presented at the 27th Annual ARMADILLO Conference, San Antonio, TX.
- Yamauchi, T., **Leontyev, A.**, & Razavi, M. (2019). *Mouse tracking measures reveal cognitive conflicts better than response time and accuracy measures*. Poster session presented at the 41st Annual Conference of the Cognitive Science Society. Montreal, Quebec, Canada.
- Leontyev, A.**, Sun, S., Wolfe, M., & Yamauchi, T. (2018). *Augmented go/no-go task: Cursor motion measures improve adhd assessment*. Poster session presented at the 30th APS Annual Convention, San Francisco, CA.
- Leontyev, A.**, & Yamauchi, T. (2018). *Mouse movement measures improve ssrt in impulsivity assessment*. Poster session presented at the 59th annual meeting of the Psychonomics Society, New Orleans, LA.
- Leontyev, A.**, & Yamauchi, T. (2018). *Mouse movement measures improve ssrt in impulsivity assessment*. Poster session presented at the 26th Annual ARMADILLO Conference,

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Houston, TX.

Yamauchi, T., & **Leontyev, A** (2018). *Assess mental disorders with the movement of the computer cursor*. Poster session presented at Computational Psychiatry 2018, San Diego, CA.

Yamauchi, T., & **Leontyev, A** (2018). *HBU: Human behavior understanding by choice reaching*. Poster session presented at the 40th Annual Conference of the Cognitive Science Society, Madison, WI.

Yamauchi, T., & **Leontyev, A** (2018). *Mouse-cursor motion measures are sensitive to individual differences in executive functions*. Poster session presented at the 59th annual meeting of the Psychonomics Society, New Orleans, LA.

Leontyev, A, Sun, S., Wolfe, M., & Yamauchi, T. (2017). *Augmented go/no-go task: Cursor motion measures improve adhd assessment*. Poster session presented at the 58th annual meeting of the Psychonomics Society, Vancouver, BC, Canada.

Leontyev, A, Sun, S., Wolfe, M., & Yamauchi, T. (2017). *Augmented go/no-go task: Cursor motion measures improve adhd assessment*. Poster session presented at the 25th Annual ARMADILLO conference for Cognition and Cognitive Neuroscience, College Station, TX.

Leontyev, A (2012). *The influence of german psychology in the psychological concepts of southern europe*. Poster session presented at the International Conference "German Science in Southern Europe, 1933-45", FCSH/NOVA, Lisbon, Portugal.

Awards and Honours

2018 **ARMADILLO Conference Best Poster Award.**

2018 **Texas A&M Graduate Student Travel Award.**

2012 **Higher School of Economics Travel Award.**

2010 **International Research Competition for current students and recent graduates, Higher School of Economics (3rd place).**

Teaching Experience

Classroom

2018 - 2020 **Teaching Assistant**, Texas A&M University, College Station, TX.

o Research Methods and Design in Psychology

2020 **Instructor**, Texas A&M University, College Station, TX.

o Introduction to Psychology

Related Professional Skills

Programming skills

o Languages: R, Python

o Operating System: Windows, macOS, Linux/UNIX

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- Others: Git, LaTeX, Markdown and RMarkdown

Software

- Statistical Software: R, Python, JASP, jamovi, SPSS
- Office Software Packages: Microsoft Office/365, LibreOffice

———— Certifications

———— Memberships

- Psi Chi - Academic Honor society
- Association for Psychological Science
- Psychonomics Society

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