

Curriculum Vitae (March, 2021)

ORI OSSMY**ADDRESS**

Department of Psychology
 Center for Neural Science
 New York University
 6 Washington Place, Room 403
 New York, NY 10003
 (212) 998-9058
 email: oo8@nyu.edu
 website: www.oriossmy.com

POSITIONS

2019-present Post-doctoral Associate
 2017-2019 Post-doctoral Fellow
 Infant Action Lab, Department of Psychology & Center for Neural Science
 New York University, New York, NY, USA
 Host: Prof. Karen E. Adolph

EDUCATION

2012-2016 Ph.D., Neuroscience, Tel Aviv University, Tel Aviv, Israel
 Supervisor: Prof. Roy Mukamel
 2011-2012 M.Sc., Neuroscience, Tel Aviv University, Tel Aviv, Israel
 Supervisor: Prof. Roy Mukamel
 2006-2010 B.Sc., Software Engineering, Ben-Gurion University, Beer-Sheva, Israel
 Graduated Magna Cum-Laude

SCHOLARSHIPS, AWARDS, & GRANTS

2021 Elsevier/Vision Research Virtual Travel Award, Vision Sciences Society
 2020 Postdoc Abstract Award, International Society for Developmental Psychology
 2019 Postdoctoral Award, NYU Faculty of Arts & Sciences
 2019 Early Career Travel Award, Society for Research in Child Development
 2018-2019 Blavatnik Interdisciplinary Cyber Research Center grant (as advisor)
 2017-2019 NSF/SBE-BSF 1627993 grant (PI: Dr. Karen Adolph. Fellow: Dr. Ori Ossmy)
 2017-2018 Joy Ventures grant (PIs: Drs. Dino Levy, Tal Sela, Ori Ossmy)
 2017 Trainee Professional Development Award, Society for Neuroscience
 2017 Travel Award, International Society for Developmental Psychology
 2013-2016 Honor Scholarship of Scientific Research, President of the State of Israel
 2013-2016 Yosef Sagol Scholarship of Brain Research, Tel Aviv University
 2011-2016 Interdisciplinary Doctoral Program in Neuroscience Scholarship
 2016 Travel Award, Ministry of Science, Technology & Space, Israel
 2016 Travel Award, Sagol School of Neuroscience, Tel Aviv University
 2016 Alfa Excellency Program Scholarship to Mentor High-school Students
 2015 Travel Award, Sagol School of Neuroscience, Tel Aviv University
 2013-2015 Social Involvement Scholarship, ORT Israel School Network
 2015 Travel Award, Adams Super Center for Brain Studies
 2014 Sieratzki Prize for Students in Neuroscience
 2014 Trotzky Scholarship for Research
 2014 Best Student Presentation Award, ISAR
 2010 Project Excellence Award in Engineering

PEER-REVIEWED ARTICLES (* joint first authorship)

1. **Ossmy, O.**, Mukamel, R. (in press). Defining brain networks using density-peak clustering in *World Academy of Science, Engineering and Technology* [<https://doi.org/10.31234/osf.io/hkrzw>]
2. Hoch, J.*, **Ossmy, O.***, Hasan, S., Cole, W., Adolph, K.E. (2021). "Dancing" together: Infant-mother locomotor synchrony. *Child Development*. <https://doi.org/10.1111/cdev.13513>
3. **Ossmy, O.**, Adolph, K.E. (2020). Real-time assembly of coordination patterns in human infants. *Current Biology*, 30, 1-10
4. Lakertz, Y.*, **Ossmy, O.***, Friedmann, N., Mukamel, R., Fried, I. (2021). Single-cell activity in human STG during perception of phonemes is organized according to manner of articulation. *NeuroImage*, 226, 117499.
5. **Ossmy, O.**, Mansano, L., Frenkel-Toledo, S., Kagan, E., Koren, S., Gilron, R., Reznik, D., Soroker, N., Mukamel, R. (2020). Motor learning in Hemi-Parkinson using VR-manipulated sensory feedback. *Disability and Rehabilitation: Assistive Technology*, 1-13
6. **Ossmy, O.**, Han, D., Cheng, M., Kaplan, B., Adolph, K.E. (2020). Look before you fit: Real-time planning cascade in children and adults. *Journal of Experimental Child Psychology* 189, 104696
7. **Ossmy, O.**, Mansano, L., Frenkel-Toledo, S., Kagan, E., Koren, S., Gilron, R., Reznik, D., Soroker, N., Mukamel, R. (2020). Motor learning by cross education in Hemi-Parkinson's disease: Case study of the effects of virtual mirrored sensory feedback. *2019 International Conference on Virtual Rehabilitation (ICVR), Tel Aviv, Israel, 2019, pp. 1-9*
8. **Ossmy, O.**, Gilmore, R. O., & Adolph, K. E (2020). AutoViDev: A computer-vision framework to enhance and accelerate research in human development. In K. Arai & S. Kapoor (Eds.), *Advances in computer vision: CVC 2019. Advances in Intelligent Systems and Computing, 944*. Springer.
9. Adolph, K. E., Hoch, J. E., & **Ossmy, O.** (2020). James Gibson's ecological approach to locomotion and manipulation: Development and changing affordances. In J. Wagman & J. Blau (Eds.). *Perception as information detection: Reflections on Gibson's ecological approach to visual perception*. New York: Taylor & Francis, pp. 248-266
10. Karasik, L., Tamis-LeMonda, C.S., **Ossmy, O.**, Adolph, K.E. (2018). The ties that bind: Cradling in Tajikistan. *Plos One* 13:e0204428
11. **Ossmy, O.***, Hoch, J.*, MacAlpine, P., Hasan, S., Stone, P., Adolph, K.E. (2018). Variety wins: Soccer-playing robots and infant walking. *Frontiers in Neuro-robotics*, 12:19
12. **Ossmy, O.**, Mukamel, R. (2018). Perception as a route for transfer of motor knowledge: Perspectives from human neuroscience. *Neuroscience*, 382:144-153
13. Aridan N.*, **Ossmy, O.***, Mukamel, R. (2018). EEG mu wave suppression during action observation corresponds with subsequent individual changes in execution. *Brain Research*, 1691:55-63
14. **Ossmy, O.**, Mukamel, R. (2017). Behavioral and neural effects of congruency of visual feedback during short-term motor learning. *NeuroImage*, 172:864-873
15. **Ossmy, O.**, Mukamel, R. (2017). Using virtual reality to transfer motor skill knowledge from one hand to another. *Journal of Visualized Experiments: JoVE*, (127)
16. **Ossmy, O.**, Mukamel, R. (2017). Short term motor-skill acquisition improves with size of self-controlled virtual hands. *PloS One*, 12(1), e0168520
17. **Ossmy, O.**, Mukamel, R. (2016). Neural network underlying intermanual skill transfer in humans. *Cell Reports*, 17:2891-2900
18. **Ossmy, O.**, Mukamel, R. (2016). Activity in superior parietal cortex during training by observation predicts asymmetric learning levels across hands. *Scientific Reports*, 6:32133
19. **Ossmy, O.**, Fried, I., Mukamel, R. (2015). Decoding speech perception from single cell activity in humans. *NeuroImage*, 117:151-159

20. Reznik, D., **Ossmy, O.**, Mukamel, R. (2015). Enhanced auditory evoked activity to self-generated sounds is mediated by primary and supplementary motor cortices. *The Journal of Neuroscience*, 35:2173-2180
21. **Ossmy, O.**, Ben-Shachar, M., Mukamel, R. (2014). Decoding letter position in word reading. *Cortex*, 59:74-83
22. **Ossmy, O.***, Moran, R.*, Pfeffer, T., Tsetsos, K., Usher, M., & Donner, T. H. (2013). The timescale of perceptual evidence integration can be adapted to the environment. *Current Biology*, 23:981-986
23. **Ossmy, O.**, Tam, O., Puzis, R., Rokach, L., Inbar, O., & Elovici, Y. (2011). MindDesktop - computer accessibility for severely handicapped. *ICEIS*:316-320

PREPRINTS\UNDER REVIEW (* joint first authorship):

1. **Ossmy, O.**, Kaplan, B., Han, D., Xu, M., Mukamel, R., Adolph, K.E. (under review). Planning to plan: Real-time processes in the development of adaptive problem solving. *Nature Human Behavior* [<https://psyarxiv.com/3q8p2/>]
2. **Ossmy, O.**, Kaplan, B., Han, D., Xu, M., Adolph, K.E. (under review). Looking without seeing: Children do not distinguish efficient from inefficient means to achieve a goal. *Scientific Reports* [<https://doi.org/10.31234/osf.io/et8yb>]
3. **Ossmy, O.**, Mukamel, R. (under review). Parcellating the brain function using unsupervised clustering. *eNeuro*
4. Le, H., Hoch, J., **Ossmy, O.**, Adolph, K., Fern, X., Fern, A. (under review). Modeling infant free play behavior using hidden markov models. *Proceedings of the IEEE International Conference on Development and Learning*
5. Shuster, A., Inzelberg, L., **Ossmy, O.**, Izakson, L., Hanein, Y., Levy, D. (under review). Lie to my face: An electromyography approach to deceptive behavior. *Psychophysiology* [<https://psyarxiv.com/vxgjp/>]

MANUSCRIPTS IN PREPARATION (* joint first authorship):

1. **Ossmy, O.**, Adolph, K.E. (in prep). Let the data work for you: How machine learning can advance research in human development
2. Hoch, J.*, **Ossmy, O.***, & Adolph, K.E. (in prep). Foraging in the playroom: Towards a model of human infant locomotor play
3. **Ossmy, O.**, Cheng, M., Bianco, C., Kaplan, B., Adolph, K.E. (in prep). The developmental process in discovering and implementing solutions to problems with hidden demands
4. **Ossmy, O.***, Hoch, J. *, Han D., MacAlpine, P., Stone, P., Adolph, K.E. (in prep). Walking and falling: Using simulated robots to model variability and error in the development of infant walking
5. **Ossmy, O.**, Kaplan, B., Han, D., Adolph, K.E. (in prep). Collecting and analyzing EEG data in individual children: Methodological challenges, special considerations, and best practices
6. **Ossmy, O.** (in prep). Extended Reality in Psychology: A Modernized Paradigm of Human Behavior
7. Hoch, J., Hospodar, C., **Ossmy, O.**, Alves, G., & Adolph, K. (in prep.). Get a move on: Grossmotor toys and caregiver absence increase infant locomotor exploration

PATENTS

Ossmy, O., Tam, O., Rozen, A., & Puzis, R. European Patent 20110008206. Designation as inventor.

SHARED DATASETS

1. **Ossmy, O.** & Adolph, K. (2020). Real-time Assembly of Coordination Patterns in Infants. *Databrary*. <http://doi.org/10.17910/b7.1116>

2. **Ossmy, O.** & Adolph, K. (2019). Look before you fit: The real-time planning cascade in children and adults. *Databrary*. <http://doi.org/10.17910/b7.1011>
3. Hoch, J.*, **Ossmy, O.*** & Adolph, K. (2019). "Dancing" together: Infant-mother locomotor synchrony. *Databrary*. <http://doi.org/10.17910/b7.943>
4. **Ossmy, O.** & Adolph, K. (2017). Looking without seeing: Children do not distinguish efficient from inefficient means to achieve a goal. *Databrary*. <http://doi.org/10.17910/b7.321>
5. **Ossmy, O.** & Adolph, K. (2017). Planning to plan: Real-time factors in the development of adaptive problem solving. *Databrary*. <https://nyu.databrary.org/volume/434>

CONFERENCE PRESENTATIONS & INVITED TALKS

- Ossmy, O.** (2021, January). Defining Functional Networks in the Brain Using Density-Peak Clustering. *International Conference on Neuro Imaging and Cognitive Neuroscience*, London, UK [Virtual]
- Ossmy, O.** (2020, November). Real-time processes in the development of problem solving, *Centre for Brain and Cognitive Development, Birkbeck College*, London, UK [Virtual]
- Ossmy, O.** (2020, November). Real-time processes in the development of problem solving, *Cognitive Research at McGill, McGill University*, Montreal, Québec, Canada [Virtual]
- Ossmy, O.** (2020, October). A real-time approach to the development of problem solving. *Perception, Action, Cognition: Development and Plasticity, Interactive Neuroscience and Cognition Center*, Université de Paris, Paris, France [Virtual]
- Ossmy, O.** (2020, October). Looking without seeing: Children do not distinguish efficient from inefficient means to achieve a goal. *International Society for Developmental Psychobiology* [Virtual]
- Ossmy, O.** (2020, October). A real-time approach to the development of problem solving. *Tenenbaum lab, Massachusetts Institute of Technology*, Cambridge, MA, USA [Virtual]
- Ossmy, O.** (2020, July). A behavioral approach to the development of common sense. Origins of Common Sense Workshop. *Cognitive Science Society*, Totonto, Canada [Virtual]
- Ossmy, O.**, Adolph, K.E. (2020, July). The effect of experience on locomotor problem solving: A real-time approach using machine learning. *The International Congress of Infant Studies*, Glasgow, Scotland [Virtual]
- Ossmy, O.**, Hoch, J., Han, D., MacAlpine, P., Stone, P., Adolph, K.E. (2020, July). Walking and falling: Using simulated robots to model variability and error in the development of infant walking. *The International Congress of Infant Studies*, Glasgow, Scotland [Virtual]
- Ossmy, O.**, Cheng, M., Bianco, C., Kaplan, B., Adolph, K.E. (2020, July). Developmental process in discovering and implementing solutions to problems with hidden demands. *The International Congress of Infant Studies*, Glasgow, Scotland [Virtual]
- Suarez-Rivera, C., **Ossmy, O.**, Tamis-Lemonda, C. (2020, July). The temporal structure of spontaneous language to infants at home: Regularities in semantic and functional word connections. *The International Congress of Infant Studies*, Glasgow, Scotland [Virtual]
- Tamis-Lemonda, C., West, K., Suarez-Rivera, C., **Ossmy, O.** (2020, July). Fine-grained environmental data illuminate the process of language learning. *The International Congress of Infant Studies*, Glasgow, Scotland [Virtual]
- Ossmy, O.** (2019, December). The development of problem solving: Real-time, integrative approach. Psychology and Neuroscience colloquium, *Tel Aviv University*, Tel Aviv, Israel
- Ossmy, O.** (2019, November). The development of problem solving: Real-time, integrative approach. Developmental Psychology colloquium, *CUNY*, New York, NY, USA
- Ossmy, O.**, Kaplan, B., Han, D., Xu, M., Bianco, C., Adolph, K.E (2019, October). What eye tracking and EEG tell us about the perception of multistep actions in children and adults. *Cognitive Development Society*, Louisville, KY, USA
- Ossmy, O.**, Kaplan, B. E., Xu, M., & Adolph, K. E. (2019, August). An integrative approach to the development of problem solving. *Flux Society*, New York, NY, USA

- Ossmy, O.** (2019, May). An integrative approach to the development of problem solving. Cognitive and Comparative Psychology colloquium, *CUNY*, New York, NY, USA
- Ossmy, O.**, Gilmore, R.O., Adolph, K.E. (2019, April). AutoViDev: A computer-vision framework to enhance and accelerate research in human development. *Computer Vision Conference*, Las Vegas, NV, USA
- Ossmy, O.**, Han, D., Cheng, M., Kaplan, B., Adolph, K.E. (2019, March). Real-time problem solving in children and adults: The development of predictive planning in object fitting. *Society for Research in Child Development*, Baltimore, MD, USA
- Ossmy, O.***, Hoch, J. *, Han D., MacAlpine, P., Stone, P., Adolph, K.E. (2019, March). Walking and falling: Using simulated robots to model variability and error in the development of infant walking. *Society for Research in Child Development*, Baltimore, MD, USA
- Ossmy, O.**, Kaplan, B., Han, D., Xu, M., Bianco, C., Adolph, K.E (2019, March). What eye tracking and EEG tell us about the perception of multistep actions in children and adults. *Society for Research in Child Development*, Baltimore, MD, USA
- Ossmy, O.**, Adolph, K.E. (2019, March). A machine-learning approach to the development of problem solving in infant locomotion. *Society for Research in Child Development*, Baltimore, MD, USA
- Karasik, L.B., Fernandes, S., **Ossmy, O.**, Tamis-LeMonda, C.S., Adolph, K.E (2019, March). Effects of restrictive childrearing practices in Tajikistan on motor development. *Society for Research in Child Development*, Baltimore, MD, USA
- DeCamp, C., **Ossmy, O.**, Herzeberg-Keller, O., Fletcher, K., Schatz, J., McCallum, J., Tamis-LeMonda, C.S., Adolph K.E. (2019, March). Gendered color preferences in infants' everyday interactions with objects. *Society for Research in Child Development*, Baltimore, MD, USA
- Shuster, A., Inzelberg, L., **Ossmy, O.**, Izakson, L., Hanein, Y., Levy, D. (2018, October). Lie to my face: EMG study of facial expressions associated with deception. *Society for Neuroeconomics*, Philadelphia, PA, USA
- Ossmy, O.**, Hoch, J., MacAlpine, P., Hasan, S., Stone, P., & Adolph, K. E. (2018, July). Variety wins: Soccer-playing robots and infant walking. *The International Congress of Infant Studies*, Philadelphia, PA, USA
- Ossmy, O.**, Hoch, J., Hasan, S., Cole, W. G., & Adolph, K. E. (2018, July). Dancing together: The nature of infant-mother locomotor synchrony. *The International Congress of Infant Studies*, Philadelphia, PA, USA
- Hoch, J.*, **Ossmy, O.***, & Adolph, K. E. (2018, July). Foraging in the playroom: Towards a model of human infant locomotor play. *The International Congress of Infant Studies*, Philadelphia, PA, USA
- Hoch, J., **Ossmy, O.**, Han, D., Heiman, C., Lee, D.K., Cole, W.G., & Adolph, K. E. (2018, July). Learning to walk: Immense and varied input. *The International Congress of Infant Studies*, Philadelphia, PA, USA
- Adolph, K.E., **Ossmy, O.**, Hoch, J., & Cole, W.G. (2018, July). (Re)using video to document procedures, illustrate findings, grow sample sizes, and ask new questions. *The International Congress of Infant Studies*, Philadelphia, PA, USA
- Ossmy, O.**, Hoch, J., Hasan, S., Cole, W. G., & Adolph, K. E. (2018, May). Dancing together: The nature of infant-mother locomotor synchrony. *Social & Affective Neuroscience Society*, New-York, NY, USA.
- Ossmy, O.**, Kaplan, B. E., Xu, M., & Adolph, K. E. (2018, March). Development in flexibility in tool use. *Cognitive Neuroscience Society*, Boston, MA, USA
- Izakson, L., Shuster, A., **Ossmy, O.**, Inzelberg, L., Sela, T., Hanein, Y., & Levy, D. (2017, December). Lie to my face: detecting lies through facial expressions. *Israel Society for Neuroscience*, Eilat, Israel.
- Hoch, J., **Ossmy, O.**, Adolph, K.E. (2017, November). *Mathematical Biosciences Institute (MBI) Workshop: Sensorimotor control of animals and robots*, Columbus, OH, USA

- Ossmy, O.**, Kaplan, B. E., Xu, M., & Adolph, K. E. (2017, November). Neural patterns underlying the development of planning in tool use. *Society for Neuroscience*, Washington, DC, USA
- Hoch, J.*, **Ossmy, O.***, & Adolph, K. E. (2017, November). Foraging in the playroom: Random walk behavior in human infants. *International Society for Developmental Psychobiology*, Washington, DC, USA
- Hoch, J.*, **Ossmy, O.***, MacAlpine, P., Hasan, S., Stone, P., & Adolph, K. E. (2017, November). Variety matters: What can we learn about infant walking from soccer-playing robots. *International Society for Developmental Psychobiology*, Washington, DC, USA
- Ossmy, O.**, Kaplan, B. E., Xu, M., & Adolph, K. E. (2017, November). Neural patterns underlying the development of planning in tool use. *International Society for Developmental Psychobiology*, Washington, DC, USA
- Ossmy, O.**, Hoch, J., Hasan, S., Cole, W. G., & Adolph, K. E. (2017, November). Dancing together: The nature of infant-mother locomotor synchrony. *International Society for Developmental Psychobiology*, Washington, DC, USA
- Ossmy, O.**, Kaplan, B. E., Xu, M., & Adolph, K. E. (2017, November). Neural patterns underlying the development of planning in tool use. Mind in motion: The development of cognitive processes in real time. *Cognitive Development Society*, Portland, OR, USA
- Hoch, J.*, **Ossmy, O.***, & Adolph, K. E. (2017, November). Foraging in the playroom: Random walk behavior in human infants. *Cognitive Development Society*, Portland, OR, USA
- Hoch, J.*, **Ossmy, O.***, MacAlpine, P., Hasan, S., Stone, P., & Adolph, K. E. (2017, November). Variety matters: What can we learn about infant walking from soccer-playing robots. *Cognitive Development Society*, Portland, OR, USA
- Ossmy, O.**, Mukamel, R. (2016, June). SMA sensitivity to visual feedback corresponds with subsequent motor learning. *Organization Human Brain Mapping*, Geneva, Switzerland
- Ossmy, O.**, Simon, S. & Mukamel, R. (2016, June). Defining functional networks in the brain using density peaks and clustering. *Pattern Recognition in Neuroimaging*. Trento, Italy
- Ossmy, O.** & Mukamel, R. (2015, December). My left hand actually does know what my right hand is doing: The neural networks underlying intermanual skill transfer in humans. *Israel Society for Neuroscience*, Eilat, Israel
- Ossmy, O.** & Mukamel, R. (2015, December). Activity in superior parietal lobule during training by observation predicts subsequent performance gains. *Israel Society for Neuroscience*, Eilat, Israel
- Ossmy, O.** & Mukamel, R. (2015, October). Neural substrates of enhanced intermanual skill transfer during online manipulation of visual feedback. *Society for Neuroscience*, Chicago, IL, USA
- Ossmy, O.** & Mukamel, R. (2015, October). Activity in superior parietal lobule during training by observation predicts subsequent performance gains. *Society for Neuroscience*, Chicago, IL, USA
- Ossmy, O.** & Mukamel, R. (2015, June). Neural substrates of enhanced intermanual skill transfer during online manipulation of visual feedback. *Computational Motor Control Workshop and Agricultural, Biological and Cognitive Robotics Initiative*, Beer-Sheva, Israel
- Ossmy, O.**, Lakertz, Y. & Mukamel, R. (2015, June). Motor Neuro-Kinemes: neural representation schemes of primitive motor movements. *Computational Motor Control Workshop and Agricultural, Biological and Cognitive Robotics Initiative*, Beer-Sheva, Israel
- Ossmy, O.** & Mukamel, R. (2015, April). Neural substrates of enhanced intermanual skill transfer during online manipulation of visual feedback. *Federation of European Neuroscience Societies Forum*, Copenhagen, Denmark
- Ossmy, O.** & Mukamel, R. (2014, December). Virtual Reality for motor learning: Decouple movements from visual perception to create novel transfer effect. *Israel Society for Neuroscience*, Eilat, Israel
- Ossmy, O.**, Fried, I. & Mukamel, R. (2014, December). Decoding Speech Perception from Single Cell Activity in Humans. *Israel Society for Neuroscience*, Eilat, Israel

- Ossmy, O.** & Mukamel, R. (2014, December). Motor Neuro-Kinemes: Identifying the neural 'building-blocks' of human complex movements. *Israel Society for Neuroscience*, Eilat, Israel
- Ossmy, O.**, Fried, I. & Mukamel, R. (2014, December). Decoding Speech Perception from Single Cell Activity in Humans. *Israel Society for Auditory Research*, Eilat, Israel
- Ossmy, O.** & Mukamel, R. (2014, June). Motor Neuro-Kinemes: Identifying the neural 'building-blocks' of human complex movements *Computational Motor Control Workshop and Agricultural, Biological and Cognitive Robotics Initiative*, Beer-Sheva, Israel
- Ossmy, O.** & Puzis, R. (2013, April). *President Barak Obama: Israeli Innovators Conference*, Jerusalem, Israel
- Ossmy, O.**, Ben-Shachar, M. & Mukamel, R. (2013, December). Decoding letter position in word reading. *Israel Society for Neuroscience*, Eilat, Israel
- Ossmy, O.**, Ben-Shachar, M. & Mukamel, R. (2013, November). Decoding letter position in word reading. *Society for Neuroscience*, San Diego, CA, USA
- Ossmy, O.**, Ben-Shachar, M. & Mukamel, R. (2013, November). Decoding letter position in word reading. *Society for the Neurobiology of Language*, San Diego, CA, USA
- Ossmy, O.** & Usher, M. (2012, December). Time scale adaptation for evidence integration in human vision. *Israel Society for Neuroscience*, Eilat, Israel
- Ossmy, O.**, Tam, O., Puzis, R., Rokach, L., Inbar, O., & Elovici, Y. (2011, June). MindDesktop - computer accessibility for severely handicapped. *International Conference on Enterprise Information Systems*, Beijing, China

PROFESSIONAL ACADEMIC SERVICE

- 2020-present Topic Editor, *Brain Sciences*
- 2014-present Ad-hoc reviewer: *Perspective on Psychological Science, Developmental Psychology, Infancy, Journal of Experimental Child Psychology, Human Movement Science, Brain Sciences, NeuroImage, Scientific Reports, Scientific Data, Frontiers in Neurorobotics, Frontiers in Robotics and AI, Frontiers in Human Neuroscience, Plos One, International Congress of Infants Studies*
- 2019-present Workshop organizer: *Datavyu, AutoViDev*
- 2017-present Workshop mentor: *Datavyu, Databrary*
- 2013-present Small workshop organizer/mentor: MATLAB, R, Python, machine learning principles
- 2016 Workshop organizer: *What do we do after getting PhD?*

PROFESSIONAL EXPERIENCE

- 2008-2015 *Microsoft, Israel R&D Center*
Software Development Engineer (SDE)
Coding for Microsoft products, software designs, and user-interface development in business intelligence, security essentials and enterprise management.
- 2007-2008 *Intel, Fab-18, Israel*
Development Engineer (SDE)
Developed products for Intel factories and adjusting existing systems to .NET.

RESEARCH FEATURES IN PUBLIC MEDIA

- 2019 Robots can learn walking from motor actions of infants? *SAIConference*
- 2018 The way toddlers waddle can teach robot footballers how to play. *New Scientist*
- 2018 Your left hand knows what your right hand is doing. *Science Daily*
- 2017 General-purpose brain-computer interface brings thought control to any PC. *MIT Technology Review*
- 2017 Controlling computers with our mind is getting easier... slowly. *VICE*
- 2017 3D virtual reality therapy could help repair damaged limbs. *NoCamels*

- 2016 Scientists harness virtual reality to teach damaged limbs new tricks. *Haaretz*
- 2016 New study reveals your left hand DOES know what your right is doing. *Sunday Express*
- 2016 New virtual reality technology may improve motor skills in damaged limbs. *Science Daily*
- 2016 New Israeli virtual reality tech could rehabilitate damaged limbs, stroke patients. *The Jerusalem Post*
- 2016 VR could improve mobility of physically impaired. *Innovators Magazine*
- 2016 Scientists harness virtual reality to help stroke rehabilitation. *Ynet* (Hebrew)
- 2016 Science might help patients after stroke. *Israeli Braodcast* (Hebrew)
- 2011 BGU may help disabled use computers with thoughts. *The Jerusalem Post*
- 2011 Students develop thought-controlled, hands-free computer for the disabled. *Science Daily*
- 2011 Ben-Gurion University students develop thought-controlled, hands-free computer for the disabled. *Medical Daily*

UNDERGRADUATE/GRADUATE STUDENTS MENTORED

- 2018-2020 Cat Bianco (Developmental Psychology)
- 2019-2020 Sylvia Coopersmith, NYU (Developmental Psychology)
- 2018-2019 Chris DeCamp, NYU (Developmental Psychology)
- 2018-2019 Minxin Cheng, NYU (Developmental Psychology)
- 2018 Xinghua Tao, NYU visiting student (Developmental Psychology)
- 2017-2019 Melody Xu, NYU (Developmental Psychology)
- 2015-2017 Evegeny Kagan, TAU (Neuroscience)
- 2016 Raz Regev, TAU (Computer science)
- 2016 Gal Aviram, TAU (Psychology)
- 2016 Shelly Bar, TAU (Computer science)
- 2016 Rana Dakwar, TAU (Psychology)
- 2016 Sharon Hendelsman, TAU (Psychology)
- 2016 Omer Shuval Shaked, TAU (Neuroscience)
- 2016 Roni Iwanir, TAU (Neuroscience)
- 2015-2016 Adam Hakim, TAU (Neuroscience)
- 2015-2016 Hila Gast, TAU (Neuroscience)
- 2015-2016 Omri Tomer, TAU (Neuroscience)
- 2015 Or Langer, TAU (Computer science)
- 2015 Gad Kashany, TAU (Computer science)
- 2014-2015 Rotem Broday, TAU (Psychology)
- 2014 Tamar Gur, TAU (Psychology)

VOLUNTEER EXPERIENCE

- 2016 Content developer. Developed content on psychology and neuroscience to high-school lecturers in ORT Israel school network. The content includes cognitive, motor and perceptual processes in the brain and the ethic limitations of neuroscience research
- 2016 "HelloWorld" Social enterprise. Development Advisor. Managed developers and designed devices to provide accessibility to individuals with physical disabilities
- 2015 In-home educator of assistive technology to improve functional capabilities of children with motor impairments

LANGUAGES

Hebrew – native; English – fluent; French, Spanish, Russian – proficient