

Teaching

2017-Present	" Good Science for Good Cause "; Cognitive Sciences department; Lecturer, Graduate course
2014-Present	"Introduction to Programming – Workshop and online video course "; Computer Science department; Lecturer, Undergraduate course
2016-2018	" Full stack development – from static HTML to dynamic webapps "; Lecturer, MEET program of Massachusetts institute of technology (MIT)
2018	"Hands-on Introduction to research"; Cognitive Sciences department; Lecturer, Undergraduate course
2014-2017	"Introduction to Computer Science"; Computer Science department; TA, Undergraduate course
2015	"Advance Matlab programming"; Natural sciences faculty; Lecturer, Graduate course
2015	"Introduction to Matlab"; Cognitive Sciences department; Lecturer, Undergraduate course
2014	" C++ programming "; Natural Sciences faculty; TA, Undergraduate course
2013	" Java programming "; Natural Sciences faculty; TA, Undergraduate course

Professional Experience

2016-2017	Reblaze (cyber security tech company), Data scientist - machine learning
2015-2017	Kumma (online advertising agency), Consultant - machine learning
2010-2012	Yahoo!, Server-side Software engineer
2009-2010	Virtual reality lab, Software engineer

Publications

Dan, O. & Loewenstein Y. (2019) From choice architecture to choice engineering. *Nature Communications*. [Paper of the month](#)

Dan, O., Hopp, E., Borst, A., & Segev, I. (2018). Non-uniform weighting of local motion inputs underlies dendritic computation in the fly visual system. *Scientific reports*.

Dan, O., Hochner-Celnikier, D., Solnica, A., & Loewenstein, Y. (2017). Association of Catastrophic Neonatal Outcomes with Increased Rate of subsequent cesarean deliveries. *Obstetrics & Gynecology*.

Conference oral presentation

2019: Society for Neuroscience (SFN): nanosymposium in Learning and Decision-Making. Chicago, USA.

"A psychophysical task to quantify and operationalize subjectively perceived boredom."

Dan O, Seiler J, Rumpel S, Tüscher O, Loewenstein Y.

2019: Federmann center for the study of rationality retreat. Kfar-Blum, Israel.

"The choice engineering competition."

Dan O., Loewenstein Y.

2019: Edmond and Lily Safra center for brain sciences (ELSC) annual meeting. Ein-Gedy, Israel.

"From choice architecture to choice engineering."

Dan O., Loewenstein Y.

2018: Human-robot in the loop workshop: IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS). Madrid, Spain.

"From choice architecture to choice engineering."

Dan O., Loewenstein Y.

2017: Federmann center for the study of rationality retreat. Ein-Harod, Israel.

"Using Cesarean deliveries to study sequential effects in medical decision making"

Dan O., Hochner-Celnikier, D., Solnica, A., & Loewenstein Y.

Conference poster presentation

2019: Reinforcement learning decision making (RLDM). Montreal, Canada.

"The choice engineering competition"

Dan O., Loewenstein Y

2017: Jerusalem brain community (JBC) annual meeting. Mitzpe Ramon, Israel.

"The economic value of Boredom"

Dan O., Seier J., Rumpel S., Loewenstein Y

2017: Israel Society for Neuroscience (ISFN) annual meeting. Eilat, Israel.

"How feedback shapes behavior"

Dan O., Loewenstein Y

2016: Jerusalem brain community (JBC) annual meeting. Maagan, Israel.

"Using Emergent Cesarean deliveries to study sequential effects in medical decisions"

Dan O., Hochner-Celnikier D., Solnica M., Loewenstein Y

2014: Israel Society for Neuroscience (ISFN) annual meeting. Eilat, Israel.

"Computations in the dendritic tree of the fly"

Dan O., Hopp E., Borst A, Segev I.

Outreach and Volunteering

2016-2018: Instructor at MEET, a project of Massachusetts institute of technology (MIT) for technological and entrepreneurial education of Palestinian and Israeli youth.

2015: Open lectures to the public on the Human Brain Project at the "European scientists' night".

2014: Chairman at "Neuroethics, youth parliament". A project of Israel's science museum to expose high-school students to scientific advancements in the field of neuroscience and the ethical dilemmas they raise.

2012-2013: "Academy-high school". The organization is aimed to introduce and familiarize high school students from disadvantaged communities with academic opportunities.

Professional Societies

Society for Neuroscience (SFN)

Israel Society for Neuroscience (ISFN)