

Contact Information	email: ikuperwajs@nyu.edu web: ionatankuperwajs.github.io phone: 425-283-2084	
Education	Ph.D. Candidate in Neural Science <i>New York University (New York, NY)</i> Systems, Cognition, and Computation Track	2018-Present
	B.A. in Neuroscience, Computer Science, & Mathematics <i>Macalester College (St. Paul, MN)</i> Honors in Mathematics, Magna Cum Laude	2014-2018
Publications	Preprints <ul style="list-style-type: none"> • van Opheusden, B., Galbiati, G., Kuperwajs, I., Bnaya, Z., Li, Y., & Ma, W.J. (2021). Revealing the impact of expertise on human planning with a two-player board game. <i>PsyArXiv</i>. pdf Conference articles <ul style="list-style-type: none"> • Kuperwajs, I. & Ma, W.J. (2021). Planning to plan: a Bayesian model for optimizing the depth of decision tree search. <i>CogSci</i>. pdf • Kuperwajs, I., van Opheusden, B., & Ma, W.J. (2019). Prospective planning and retrospective learning in a large-scale combinatorial game. <i>Cognitive Computational Neuroscience</i>. pdf 	
Honors & Awards	NSF Graduate Research Fellowship CCN Trainee Travel Grant Henry Mitchell McCracken Fellowship Phi Beta Kappa National Honor Society Macalester College Neuroscience Outstanding Graduate Award Cosyne Undergraduate Travel Grant IBRO-Simons Computational Neuroscience Imbizo Macalester College Dean's List Janelia Undergraduate Scholars Program MIAC Men's Soccer Academic All-Conference Team NYU Center for Neural Science NSF REU Fellowship Macalester College DeWitt Wallace Distinguished Scholar	2020-2023 2019 2018 2018 2018 2018 2018 2014-2018 2017 2015-2017 2016 2014
Teaching Experience	Teaching Assistant, New York University <ul style="list-style-type: none"> • Mathematical Tools for Neural and Cognitive Science (NEURL-GA 2201) F 19 Teaching Assistant, Macalester College <ul style="list-style-type: none"> • Algorithm Design and Analysis (COMP 221) F 17, S 18 • Brain, Mind, and Behavior (PSYC 180) F 16 • Core Concepts in Computer Science (COMP 123) S 16, F 16 	
Talks	Cognitive Science Society <i>University of Vienna (Vienna, Austria)</i> Planning to plan: a Bayesian model for optimizing the depth of decision tree search	2021

	Center for Neural Science Seminar Series <i>New York University (New York, NY)</i> Model-based and model-free decision-making in a complex planning task	2020
	Concepts and Categories Seminar Series <i>New York University (New York, NY)</i> Human planning in large state spaces	2019
	Artificial and Biological Computation Lab <i>New York University (New York, NY)</i> Combinatorial planning	2019
Poster Presentations	Workshop on Big Data in Cognitive Science <i>Princeton University (Princeton, NJ)</i> Prospective planning and retrospective learning in a large-scale combinatorial game	2019
	Cognitive Computational Neuroscience <i>Technical University of Berlin (Berlin, Germany)</i> Prospective planning and retrospective learning in a large-scale combinatorial game	2019
Outreach & Service	Science Activism <ul style="list-style-type: none"> • President, Scientist Action and Advocacy Network (ScAAN) 2018-Present • Workshop on environmental justice, Ocean Sciences Meeting 2022 • Workshop on evidence-based advocacy, American Geophysical Union 2021 • Workshop on science activism, Rockefeller University 2021 • Panel on science activism, Growing Up in Science 2020 	
	Mentoring <ul style="list-style-type: none"> • NYU Neural Science PhD Application Assistance Group 2020-2021 • Ashley Yan, Stevenson High School Student 2021 	
Skills & Other	Programming: Python, MATLAB, HTML/CSS, bash Graduate Coursework: mathematical tools for neuroscience, machine learning, Bayesian and cognitive modeling, cellular and systems neuroscience Methodologies: behavioral modeling, reinforcement learning, statistical inference, deep learning Languages: English, Spanish, Hebrew Interests: photography, podcasting, travel, hiking, soccer, basketball, anime, coffee	