

Daniel J Wilson

University of Toronto
Cognitive Neuroscience
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Education

University of Toronto

Ph.D. Student, Psychology, 2017 - .

Research: Decision Making, Computational Modeling, Neuroeconomics
M.A., Psychology, 2017.

Göteborg University and Chalmers University of Technology

M.Sc., Art & Technology, 2007.

McMaster University

B. Arts & Science (Honours), *magna cum laude*, 2001.

Awards and Honors

Postgraduate Scholarship - Doctoral

Natural Sciences and Engineering Research Council of Canada, 2018-23

[**Schwartz Reisman Institute Graduate Fellowship**], 2021-23

Apple Health Research Partnership, 2021-23

Michael Smith Foreign Study Supplement

Natural Sciences and Engineering Research Council of Canada, 2018

Canada Graduate Scholarship - Masters

Natural Sciences and Engineering Research Council of Canada, 2017-18

Catherall Travel Bursary, Massey College, 2018

Franco Vaccarino UTSC Graduate Scholarship

University of Toronto Scarborough, 2017-18

Arts and Science Competitive Offer

University of Toronto, 2016-21

Massey Junior Fellow

Massey College, Toronto, 2017-18

Arts and Science Admission Award

University of Toronto, 2016-17

Media Artist and Scientist Collaboration

GRAND NCE and Canada Council for the Arts, 2014-15

Media Arts Travel Grant

Canada Council for the Arts, 2012

Emerging Video Artist Grant

Ontario Arts Council, 2008

Research

University of Toronto, 2016-Present

Graduate Researcher; Advisor: Cendri Hutcherson

Measuring, predicting and understanding the Intention-Behavior gap

- Developing a novel comprehensive measure of the gap, and predictive models of future gap states using smartphones and machine learning.

Research
(cont.)

University of Pennsylvania, 2018-19

Visiting Graduate Researcher; Advisor: Konrad Kording

The effect of online ads: A big data approach

- Large scale investigation of the effects of online advertising on user affect, employing natural experimental techniques and NLP.

Princeton University, 2015

Research Assistant; Supervisor: Gecia Bravo-Hermsdorff (Niv Lab)

Role of multiple features in value-based decision making

- Implemented a bandit experiment created in Javascript and run through Amazon Mechanical Turk using psiTurk toolbox.

Teaching

University of Toronto

Intro to Clinical, Developmental, Personality and Social Psychology, 2022, 2023 | TA

Higher-Level Cognition, 2019 | TA

Cognitive Neuroscience of Decision Making, 2017 | TA

Introductory Psychology, 2017, 2020 | TA

Social Cognition, 2016 | TA

Psychology and the Law, 2016 | TA

Conference
Presentations

Wilson, D.J. and Hutcherson, C. *A Call for Collaboration: What could you learn from our data?*, Poster presentation: Intervention Science Pre-Conference, SPSP, Atlanta, GA., February, 2023.

Wilson, D.J. and Hutcherson, C. *A Call for Collaboration: What could you learn from our data?*, Poster presentation: Motivation Science Pre-Conference, SPSP, Atlanta, GA., February, 2023.

Wilson, D.J. and Hutcherson, C. *The Intention Behavior Gap: A Measure* Poster presentation: Society for Personality and Social Psychology Convention, Virtual, February, 2022.

Wilson, D.J. and Hutcherson, C. *Tracking the intention-behavior gap* Poster presentation: Society for Personality and Social Psychology Convention, Virtual, February, 2022.

Wilson, D.J. and Hutcherson, C. *Tracking the intention-behavior gap* Poster presentation: Society of Judgment and Decision Making Annual Conference, Virtual, February, 2022.

Wilson, D.J. and Hutcherson, C. *Tracking the intention-behavior gap* Poster presentation: Life Improvement Science Annual Conference, Virtual, June, 2021.

Wilson, D.J. and Hutcherson, C. *The intention-behavior gap Measuring, Predicting and Understanding*

Short Talk: Interdisciplinary Graduate Research and Discovery Conference, Virtual, May, 2021. **(2nd place award for Short Talks)**

Wilson, D.J. and Hutcherson, C. *What do you want to eat? Regulatory strategy effects on choice and neural activation*

Poster presentation: Society for Affective Science Annual Conference, Boston, MA., March, 2019.

Wilson, D.J. and Hutcherson, C. *Computational modeling of value, weighting, and attention in multi-attribute choice.*

Poster presentation: Social & Affective Neuroscience Society Annual Meeting, Brooklyn, NY., May, 2018.

Wilson, D.J. and Hutcherson, C. *Development of a neuroimaging paradigm to dissociate value, weighting, and attention in multi-attribute choice.*

Poster presentation: Society for Neuroeconomics Conference, Toronto, ON., October, 2017.

Fellowships & Workshops

Oxford Machine Learning Summer School

2021, Oxford, Virtual (Program acceptance rate of 6.5%) [link]

Civic Innovation Corps

Data Scientist with NYC Office for Economic Opportunity

2021, NYC, USA (Program acceptance rate of 3.6%) [link]

Neuromatch Academy

2020, Remote, Worldwide [link]

Kavli Summer Institute in Cognitive Neuroscience

2019, Santa Barbara, USA [link]

European Summer School on Computational and Mathematical Modeling of Cognition

2018, Couches, France [link]

Summer School In Social Neuroscience and Neuroeconomics

2017, Duke University, USA [link]

NEW INC, New Museum Incubator Artist in Residence

2014-2015, New York City, USA [link]

School for Poetic Computation

2014, New York City, USA [link]

Professional Associations

Society for Judgment and Decision Making

Society for Personality and Social Psychology

Society for Neuroeconomics

Society for Neuroscience

The Social and Affective Neuroscience Society

Society for the Improvement of Psychological Science

American Psychological Association

Society for Personalty and Social Pscychology

Volunteer

Data Science for Social Good

Analysis and visualization of Chilean school data, 2020

Machine Learning for Psychologists Workshop

Organized a three-day intensive workshop led by an outside guest expert, 2018

Massey College Tutoring and Mentorship Program

Math and science tutor for high school students, 2017-18

University of Toronto Road Racing Team

Founder and President, 2016-18

Psychology Graduate Students Association

Website development and maintenance, 2016-20

Science Rendezvous

University of Toronto, 2017

University of Toronto Machine Learning Club

Co-Founder, 2016-17

Professional Projects (selected) **minutiae**, 2016-Present
An anti-social media experiment in the form of a smart phone app.
[link] [media]
The Circus, Showtime, 2016
Editor on weekly documentary series chronicling 2016 primary campaign.
[link] [review]
Separate and Unequal, PBS FRONTLINE, 2014
Editor. [link]
9Y40, 2013
A performance artwork centered on NYC yellow cabs.
[link] [media]
A Death in St. Augustine, PBS FRONTLINE/New York Times, 2013
Co-producer and editor (Emmy-nominated). [link] [link]

Languages English (native), French (advanced), Spanish (conv.), German (conv.)