

ARI MISHA DYCKOVSKY

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528 Peretsman Scully Hall
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EDUCATION

Ph.D. Candidate, Psychology 2021 – Present
M.A., Psychology 2021 – 2023
Princeton University (Advisors: Alin Coman & Eldar Shafir)

B.A., Psychology 2020
University of Denver

Undergraduate Studies, Symbolic Systems 2012 – 2014; 2017 – 2018
Stanford University

FELLOWSHIPS

Graduate Research Fellow (\$147,000) 2023 – 2028
National Science Foundation

Centennial Fellow (\$20,000) 2021 – 2026
Princeton University via The Graduate School

Graduate Fellow in Social Data Science (\$1,400) 2023
Princeton University via Data-Driven Social Science Initiative

GRANTS

Large-Scale Grant (\$35,208): “Exploring the social construction of value in blockchain systems” 2023 – 2025
Princeton University via Data-Driven Social Science Initiative

SCHOLARSHIPS, HONORS & AWARDS

Mission Award, Application Statement Feedback Program 2023
Society for the Improvement of Psychological Science

Honorable Mention, National Defense Science and Engineering Graduate Fellowship 2023
U.S. Department of Defense

Mt. Evans Scholarship (\$16,000), Merit Scholarships 2020
University of Denver

Intel Young Scientist Award (\$50,000), Intel International Science and Engineering Fair 2012
Society for Science and the Public

National Finalist (\$7,500), Intel Science Talent Search 2012
Society for Science and the Public

Scientific Achievement Award (\$7,000), Howard Hughes Medical Institute Scholarship Competition 2012
Howard Hughes Medical Institute

2nd Place, Physical Sciences (\$8,000), National Junior Science and Humanities Symposium 2011
U.S. Department of Defense & National Science Teachers Association

Regional Semifinalist, The Siemens Competition 2011
Siemens Foundation

Yuri Gagarin Medal for Outstanding Space Research, The International Space Olympics 2010
S.P. Korolyov Energia Space and Rocket Corporation

CURRENT PROJECTS

- Dyckovsky, A. M.**, & Coman, A. (in progress). The social construction of value: An ecologically grounded theory of endowment.
- Dyckovsky, A. M.**, & Coman, A. (in progress). Exploring collective endowment effects in cryptocurrency communities.
- Dyckovsky, A. M.**, & Sokol-Hessner, P. (in progress). Rubber-necking the good and the bad: Dissociating orientation and value with computational models of gaze.
- Reinero, D. A., **Dyckovsky, A. M.**, & Coman, A. (in prep). Moral tipping points in social networks.
- Sokol-Hessner, P., **Dyckovsky, A. M.**, Andrews, E., & Daw, N. D. (in prep). The dynamics of continuous self-control: Inferring value from gaze behavior.

PUBLICATIONS

- Vlasceanu, M., **Dyckovsky, A. M.**, & Coman, A. (2023). A network approach to investigate the dynamics of individual and collective beliefs: Advances and applications of the BENDING model. *Perspectives on Psychological Science*, 1–10.
- Brown, R. C., Olmschenk, S., Wu, S., **Dyckovsky, A. M.**, Wyllie, R., & Porto, J. V. (2013). Note: Pneumatically actuated and kinematically positioned optical mounts compatible with laser-cooling experiments. *Review of Scientific Instruments*, 84(9), 096101.
- Dyckovsky, A. M.**, & Olmschenk, S. (2012). Analysis of photon-mediated entanglement between distinguishable matter qubits. *Physical Review A*, 85(5), 052322.

RESEARCH EXPERIENCE

- Graduate Research Assistant**, Department of Psychology
Princeton University (Advisor: Alin Coman) 2021 – Present
- Lab Manager & Research Assistant**, Department of Psychology
University of Denver (Advisor: Peter Sokol-Hessner) 2020 – 2021
- Research Assistant**, Negotiation, Organizations & Markets Unit
Harvard Business School (Advisor: Amit Goldenberg) 2020 – 2021
- Research Assistant**, Department of Psychology
Stanford University (Advisor: Amit Goldenberg) 2017 – 2018
- Student Researcher**, Atomic Physics Division
National Institute of Standards and Technology (Advisor: Steven Olmschenk) 2010 – 2012

INDUSTRY EXPERIENCE

- Founder**, Keep It Crafted, LLC 2018 – 2020
- Founder & Chief Executive Officer**, Kettle Group, Inc. 2015 – 2017
- Co-Founder**, Argo Technologies, Inc. (Acquired by Tableau) 2013 – 2015
- Intern**, IEX Group, Inc. 2013

SERVICE

- Treasurer**, Empowering Tomorrow's Human-AI Interaction & Ethics Community ("ETHICOM") 2023 – Present
- Director of Core Systems**, Application Statement Feedback Program [www.asfp.io] 2020 – Present
- Graduate Student Committee**, Princeton University Department of Psychology 2022 – 2023
- Creator & Core Maintainer**, Start Your Lab [www.startyourlab.com] 2021

AD-HOC REVIEWS

Nature, Perspectives on Psychological Science

TEACHING

Assistant Instructor for PSY 320: Psychotherapy Theories and Skills (Rating: 4.41/5)
Princeton University

Spring 2023

Assistant Instructor for SPI 340: Psychology of Decision-Making and Judgment (Rating: 4.67/5)
Princeton University

Fall 2022

SELECTED PRESENTATIONS

Dyckovsky, A. M. (2023, October). *The psychological construction of value: An empirical investigation of cryptocurrency communities*. Princeton University, Department of Psychology.

Dyckovsky, A. M. (2023, April). *Exploring the social construction of value in online social networks*. Princeton University, Department of Psychology.

Dyckovsky, A. M., & Sokol-Hessner, P. (2021, April). *Best practices for modern social science: Managing teams, projects, and code to facilitate digital collaboration, documentation, and open science*. University of Denver, Department of Psychology.

Dyckovsky, A. M. (2013, December). *Quantum entanglement and the future of data*. TTI/Vanguard [next] Conference.

Dyckovsky, A. M. (2012, May). *Analysis of photon-mediated entanglement between distinguishable matter qubits*. Intel International Science and Engineering Fair.

Dyckovsky, A. M. (2010, October). *Analysis of ground-to-satellite entanglement-enhanced quantum communication with quantum memories*. The International Space Olympics.

NEWS & MEDIA

Stanford dropouts' "Argo" raises \$1.5M from Accel to stitch together companies' small data. (2015). *TechCrunch*.

Loudoun science prodigy leaves college to launch tech company. (2014). *The Washington Post*.

What is innovation? (2013). *Knowledge @ Wharton High School*.

The quantum kid: High school senior authors a groundbreaking physics paper. (2013). *The Takeaway*.

Physicists foretell quantum internet with entangled photon router. (2012). *Wired*.

Teen solves quantum entanglement problem for fun. (2012). *Wired*.

Loudoun's Ari Dyckovsky, 18, blazing trail in quantum physics. (2012). *The Washington Post*.

Loudoun teen competes for Intel science prize. (2012). *The Washington Post*.

SELECTED SKILLS

Techniques Online Experiments, Agent-Based Modeling, Natural Language Processing, Data Visualization, Statistical Inference, User Interface Design, Application Programming Interfaces

Languages Python, JavaScript, R, MATLAB, *Mathematica*, HTML, CSS, C/C++, Google Apps Script, Terraform, \LaTeX , SQL, NetLogo, Q, Git, Vim, Markdown, Bash

Databases Neo4j, PostgreSQL, SQLite, MongoDB, DynamoDB, Redis, kdb+

Tools GitHub, Amazon Web Services (e.g., S3, SageMaker, EC2), Docker, Slack, VSCode, RStudio, Qualtrics, SPSS, Figma, Photoshop, Lightroom, Microsoft Office