

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
<i>Princeton University (Advisors: Alin Coman & Eldar Shafir)</i>	
B.A. , Psychology	2020
<i>University of Denver</i>	
Undergraduate Studies, Symbolic Systems	2012 – 2014; 2017 – 2018
<i>Stanford University</i>	

FELLOWSHIPS

Graduate Research Fellow (\$147,000)	2023 – 2028
<i>National Science Foundation</i>	
Centennial Fellow (\$20,000)	2021 – 2026
<i>Princeton University via The Graduate School</i>	
Graduate Fellow in Social Data Science (\$1,400)	2023
<i>Princeton University via Data-Driven Social Science Initiative</i>	

GRANTS

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

SCHOLARSHIPS, HONORS & AWARDS

Mission Award , Application Statement Feedback Program	2023
<i>Society for the Improvement of Psychological Science</i>	
Honorable Mention , National Defense Science and Engineering Graduate Fellowship	2023
<i>U.S. Department of Defense</i>	
Mt. Evans Scholarship (\$16,000) , Merit Scholarships	2020
<i>University of Denver</i>	
Intel Young Scientist Award (\$50,000) , Intel International Science and Engineering Fair	2012
<i>Society for Science and the Public</i>	
National Finalist (\$7,500) , Intel Science Talent Search	2012
<i>Society for Science and the Public</i>	
Scientific Achievement Award (\$7,000) , Howard Hughes Medical Institute Scholarship Competition	2012
<i>Howard Hughes Medical Institute</i>	
2nd Place, Physical Sciences (\$8,000) , National Junior Science and Humanities Symposium	2011
<i>U.S. Department of Defense & National Science Teachers Association</i>	
Regional Semifinalist , The Siemens Competition	2011
<i>Siemens Foundation</i>	
Yuri Gagarin Medal for Outstanding Space Research , The International Space Olympics	2010
<i>S.P. Korolyov Energia Space and Rocket Corporation</i>	

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

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

INDUSTRY EXPERIENCE

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| 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

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| 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