

MANON REVEL

AI & Society Researcher | Applied Mathematician

Education

Massachusetts Institute Technology	<i>PhD in Social and Engineering Systems and Statistics</i>	Sep.19-Aug.23
Massachusetts Institute Technology	<i>MSc in Technology and Policy</i>	Sep.17-Jun.19
École Centrale Paris	<i>BSc of Engineering & MSc eq. in Applied Mathematics</i>	Sep.15-Jun.17

Awards (selection)

Harvard Democracy Fellowship	Rewards innovative and leading research at the Ash Center	2022
Hammer Fellowship	Empowers promising first-year MIT IDSS PhD students	2019
Centrale Talent	Awards outstanding achievements of an BSc student	2017

Experience

Google - DeepMind ~ <i>Senior Research Scientist</i>		<i>Sunnyvale, CA</i>
• Lead quantitative research on human-AI interactions		Aug.25-Now
Meta - FAIR Labs ~ <i>Postdoctoral AI Research Scientist</i>		<i>New York, NY</i>
• Developed computational frameworks to study interplay of AI and social systems for LLMs and AI Agents		Sep.24-Aug.25
• Designed ranking algorithms for collective and democratic governance platforms e.g., Remesh, pol.is		
Harvard Law School - Berkman Klein Center ~ <i>Research Affiliate (since Sep.24) & Fellow (until Aug.24)</i>		<i>Cambridge, MA</i>
• Launched AI & Democracy research program involving 8 collaborators; leading to 3 publications		Sep.23-Aug.24
• Led collaboration with OpenAI on resistance in AI fine-tuning with Reinforcement Learning from Human Feedback		
Responsible AI Institute ~ <i>Research Scientist</i>		<i>Remote</i>
• Advised clients to deploy foundation models for operations in the Responsible AI framework I co-created		Sep.23-Feb.24
MIT - Institute for Data, Systems, and Society ~ <i>PhD Researcher</i>		<i>Cambridge, MA</i>
• Authored mathematical theories for collective decision-making statistically validated with 10+ experiments		Sep.17-Aug.23
• Researched networked multi-agent systems designed to promote expertise and/or the robust representation of a plurality		
Palantir Technologies ~ <i>Deployment Strategist Intern</i>		<i>New York, NY</i>
• Conceived and deployed data workflows in the Utility space to augment real-time data-driven decisions		May.-Aug.22
Aerospacelab ~ <i>Strategic Engineer Consultant</i>		<i>Mont-Saint-Guibert, Belgium</i>
• Built modules to monitor information virality rooted in state-of-the-art NLP and network analysis		Jul.-Aug.19
Center for Strategic and International Studies ~ <i>Policy Research Intern</i>		<i>Washington, DC</i>
• Investigated AI regulation's impact on people's relation to information for policy-makers		May.-Aug.18
Nokia Bell Labs ~ <i>Machine Learning Research Intern</i>		<i>Murray Hill, NJ</i>
• Optimized slice allocation with forecasting and time series analyses to lower Wi-Fi communication latency		Jun.-Aug.17

Work coverage (selection)

[TV] France Télévision	<i>13h15 le Dimanche: L'homme à la Machine</i>	Feb.25
[Book] Munther Dahleh	<i>Data, Systems and Society: Harnessing AI for Societal Good</i> , Cambridge Press	Apr.25
[Social Media] CentraleSupelec	<i>Maths rescuing democracy +100,000 views across social media</i>	Feb.22
[Online Media] IDSS News	<i>Aligning Decision-Making Processes with Democratic Values</i>	Apr.23
[Online Journal] MIT News	<i>Understanding how people make sense of information in the information age</i>	Nov.20
[Online Journal] MIT News	<i>Combining artificial intelligence with their passions</i>	Aug.19

Service & Leadership (selection)

a16z	<i>Research Visitor</i>	Invited speaker/guest to engage with crypto internship program	2025
Rencontres Scientifiques	<i>Scientific Advisor</i>	Founding member and scientific program creator	2025
Entretiens de Royaumont	<i>Editorial Advisor</i>	Live interview of Reid Hoffman, Arthur Mensch & Maurice Levy	2023
MD4SG	<i>Research Lead</i>	Lead 20 researchers on the mathematics of governance	2021-2024

Skills & Interest

Computer Languages	Python (preferred), R, SQL, HTML (experienced), JAVA, Matlab, CSS (basic)
Human Languages	French (native), English (fluent), Italian (used to be proficient), Spanish (basic)
Human Activities	Basketball, Windsurfing, Running; Choir; Books & Etymology

Publications

My work has been published in a variety of disciplinary venues. In some fields, it is the norm to order authors alphabetically. Such contributions are noted α . First author contribution is marked with *.

Revel*, Penigaud, 2026, AI-Enhanced Deliberative Democracy and the Future of the Collective Will, *Philosophy & Technology (forthcoming)*

Li, De, **Revel**, Haupt, Miller, Coleman, Baxter, Saveski, Bakker, 2025, Scaling Human Judgment in Community Notes with LLMs, *Journal of Online Trust & Safety*

Revel*, Milli*, Lu, Watson-Daniels, Nickel, 2025, Representative Ranking for the Online Public Sphere, *Knight Special Issue on AI and Democratic Freedoms*

α Berinsky, Halpern, Halpern, Mossel, Procaccia, Jadbabaie, **Revel***, 2025, Tracking Truth with Liquid Democracy, *Management Science*

α Lubin, Mayberry, Moses, **Revel***, Thorburn*, West 2024, Framework for Regulating Social Technologies, *MIT Science Policy Review*

Revel*, 2023, How to Open Democratic Representation?, *European Journal of Risk Regulation, Cambridge University Press*

Manchaiah, Londero, Deshpande, **Revel**, Palacios, Boyd and Ratinaud, 2022, Online discussions about tinnitus: What can we learn from natural language processing of Reddit posts?, *American Journal of Audiology*

Park, Abecassis, **Revel**, 2021, Varieties of Resonance: The Subjective Interpretations and Utilizations of Media Output in France, *Poetics*

Zhang, Milli, Jusko, Smith, Amos, Bouaziz, **Revel**, Kussman, Sheynin, Titus, Rhadarapu, Yu, Sarma, Rose, Nickel, 2025, Cultivating pluralism in algorithmic monoculture: The community alignment dataset, *ICLR (forthcoming)*

Rhadarapu, **Revel**, Ung, Ruder, Williams, 2025, Arbiters of Ambivalence: Challenges of Using LLMs in No-Consensus Tasks, *ACL*

Revel*, Milli*, Lu, Watson-Daniels, Nickel, 2025, Representative Ranking for the Online Public Sphere, *ICML*

Revel*, Cargnelutti*, Eloundoun, Leppert, 2025, SEAL: Systematic Error Analysis for Value Alignment, *AAAI* (oral presentation)

Ovadaya, Thorburn, Redman, Devine, Milli, **Revel**, Konya, Kasirzadeh, 2024, Toward Democracy Levels for AI, *NeurIPS*

Revel*, Bohemer, Brill, Colley, Elkind, Faliszewski, 2024, Selection Representative Bodies: An Axiomatic View, *AAMAS*

α Halpern*, Halpern, Jadbabaie, Mossel, Procaccia, **Revel***, 2023, In Defense of Liquid Democracy, *EC*

Revel*, Lin*, Haleprn*, 2022, How Many Representatives Do We Need? The Optimal Size of an Epistemic Congress, *AAAI* (oral presentation)

Revel*, Haleprn, Berinsky, Jadbabaie, 2022, Liquid Democracy in Practice: An Empirical Analysis of its Performance, *EAAMO*

Lubin, Mayberry, **Revel**, Thorburn, 2024, Unexplored Ways to Regulate Social Media, *Tech Policy Press*

Revel*, 2024, Can We Talk? An Argument for More Dialogues in Academia. *Harvard Ash Center Essay Series*

Papaemmanuel, **Revel**, 2022, Foundry: Think global, act local, *Palantir Blog*

Revel*, Haupt*, 2020, Rules of Thumb: Adjusting Class Schedules in Fall Term, *MIT ISOLAT*

Haupt*, **Revel***, 2020, A privacy-preserving opt-out mechanism for returning to campus, *MIT ISOLAT*

Revel*, 2019, Internet, Tu Mens!, *L'Hémicycle*

Conference Papers

Teaching

Notre Dame University	<i>Adjunct Professor</i>	Deliberative Technologies and Computational Democracy	Jun.24
MIT IDSS	<i>Lecturer</i>	Linear Algebra, Probability and Statistics	Feb.21-Jan.24
MIT Media Lab	<i>Lecturer</i>	Decentralized Society, Cooperation and Plurality	Jan.24
MIT Sloan	<i>Teaching Assistant</i>	Data, Model, and Decisions	Jul.20-Aug.21

Academic Service (selection)

Review of Economic Studies, Perspectives on Politics, TEAC	<i>Journal Reviewer</i>	Jun.19-Now
AAAI, CDC, ACC, AAMAS, ECAI	<i>Conference Reviewer</i>	Jun.19-Now
University of Zurich - Liquid Democracy	<i>Workshop Co-organizer</i>	Dec.22
International Conference of the Web and Social Media	<i>Workshop Co-organizer</i>	Jun.21

Speaker (selection)

Greater Conference ~ <i>Evolving Slowly, Changing Fast: Human Behavior and Evolutionary Mismatch</i>	Feb.26
International Workshop on Reimagining Democracy 2024 - Yale University ~ <i>Backstory</i>	Dec.25
Cooperative AI Foundation ~ <i>AI-Enhanced Deliberative Democracy and the Future of the Collective Will</i>	Nov.25
UrbanAI ~ <i>Building Collective Agency In An AI-Mediated World</i>	Oct.25
a16z Crypto Research Program ~ <i>Concentration of Power in Liquid Democracy</i>	Jun.25
Knight First Amendment Institute at Columbia University ~ <i>Reframing AI in the Digital Public Sphere</i>	Apr.25
Participatory AI Research & Practice Symposium ~ <i>Public Input for AI-Facilitated Collective Judgement</i>	Feb.25
International Association for Safe and Ethical AI ~ <i>Resistance in Value Alignment</i>	Feb.25
Foerster Lab for AI Research - Oxford University ~ <i>Agentic Networked Behaviours</i>	Jan.25
Oxford Berlin Colloquium on AI Ethics ~ <i>AI-facilitated Collective Judgement</i>	Jan.25
International Workshop on Reimagining Democracy 2024 - John Hopkins ~ <i>Designing Deliberative Online Spaces</i>	Dec.24
Entretiens de Royaumont - Collège des Bernardins ~ <i>Reid Hoffman, Arthur Mensch and Maurice Levy interview</i>	Dec.24
Knight Symposium: AI & Democratic Freedoms - Columbia University ~ <i>Deliberative Online Public Sphere</i>	Nov.24
Social Technologies - Cornell University ~ <i>Scaffolding Democratic Self-Determination with AI</i>	Nov.24
Plurality Network - Harvard University ~ <i>Representative Ranking for Deliberation in the Public Sphere</i>	Nov.24
Society for Institutional and Organisational Economics - University of Chicago ~ <i>Democratic AI</i>	Jun.24
Equitable Tech Summit - DR Center ~ <i>Human and AI Governance</i>	Jun.24
Trust and Human Connection in the Age of AI - MIT ~ <i>Tech-Enhanced Citizen Assemblies</i>	May.24
Democracy and Technology - Harvard ~ <i>Discussion with Larry Lessig and Claudia Chwalisz</i>	May.24
University of Groningen ~ <i>Human and AI Governance</i>	Mar.24
International Workshop on Reimagining Democracy 2023 ~ <i>Can We Talk?</i>	Dec.23
Social Choice for AI - UC Berkeley ~ <i>Liquid Democracy and AI Safety</i>	Dec.23
Computer Science Speaker Series - Brown University ~ <i>Mathematical Models for Democracy</i>	Nov.23
Political Science Class - University of Neuchâtel ~ <i>AI and Democracy</i>	Oct.23
Economics and Computation EC'23 - Kings College ~ <i>In Defense of Liquid Democracy</i>	Jun.23
AI for Institutions - CAIF/CIP/Oxford University ~ <i>AI Governance</i>	Apr.23
Spread of Misinformation and Collective Action - MIT ~ <i>The Institutional Design Problem</i>	Apr.23
Future Generation Worksop - Maastricht University ~ <i>How to Open Democratic Representation?</i>	Mar.23
Open Neighbourhood Seminar - Harvard Mathematics ~ <i>The Mathematics of Democracy</i>	Mar.23
Entretiens de New York - French Consulate in New York ~ <i>Garry Kasparov and Hubert Vedrine interview</i>	Mar.23
Metagov Seminar ~ <i>Liquid Democracy in Practice</i>	Feb.23
Plurality Research Network Conference - UC Berkeley ~ <i>Governance with Proxy Democracy</i>	Jan.23
International Workshop on Reimagining Democracy 2022 ~ <i>How to Open Democratic Representation</i>	Dec.22
Computational Social Choice Seminar ~ <i>Democratic Innovations and Social Choice</i>	Nov.22
Modeling Seminar - GoogleX Alphabet ~ <i>Modeling Democratic Innovations</i>	Nov.22
University of Amsterdam ~ <i>In Defense of Liquid Democracy</i>	Oct.22
INFORMS 2022 ~ <i>Democracy Mechanisms for emerging forms of democratic participation</i>	Oct.22
SDSCon 2022 - MIT ~ <i>Collective Decision-Making in Representative Democracy</i>	Apr.22
Datascientest ~ <i>Data and Models to Study Alternative Voting Systems</i>	Sep.22
Law and Technology Class - HEC Paris ~ <i>Innovating with Democratic Representation</i>	Sep.22
Debating Europe ~ <i>What should democracy look like in the 21st century?</i>	Feb.22
AAAI Conference on Artificial Intelligence 2022 ~ <i>Optimal Congress Size</i>	Feb.22
VCCA21 2021 ~ <i>What can we learn about tinnitus from social media posts? (Best Pitch Award)</i>	Jun.21
WiDS 2020 ~ <i>Data weaponized, data scrutinized: a war on information</i>	May.20