

# MANON REVEL

AI & Society Researcher | Applied Mathematician

## Education

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

<b>Google - DeepMind</b> ~ Senior Research Scientist		Sunnyvale, CA
• Lead quantitative research on human-AI interactions		Aug.25-Now
<b>Meta - FAIR Labs</b> ~ Postdoctoral AI Research Scientist		New York, NY
• 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		
<b>Harvard Law School - Berkman Klein Center</b> ~ Research Affiliate (since Sep.24) & Fellow (until Aug.24)		Cambridge, MA
• 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		
<b>Responsible AI Institute</b> ~ Research Scientist		Remote
• Advised clients to deploy foundation models for operations in the Responsible AI framework I co-created		Sep.23-Feb.24
<b>MIT - Institute for Data, Systems, and Society</b> ~ PhD Researcher		Cambridge, MA
• 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		
<b>Palantir Technologies</b> ~ Deployment Strategist Intern		New York, NY
• Conceived and deployed data workflows in the Utility space to augment real-time data-driven decisions		May.-Aug.22
<b>Aerospacelab</b> ~ Strategic Engineer Consultant		Mont-Saint-Guibert, Belgium
• Built modules to monitor information virality rooted in state-of-the-art NLP and network analysis		Jul.-Aug.19
<b>Center for Strategic and International Studies</b> ~ Policy Research Intern		Washington, DC
• Investigated AI regulation's impact on people's relation to information for policy-makers		May.-Aug.18
<b>Nokia Bell Labs</b> ~ Machine Learning Research Intern		Murray Hill, NJ
• Optimized slice allocation with forecasting and time series analyses to lower Wi-Fi communication latency		Jun.-Aug.17

## Work coverage (selection)

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

## Service & Leadership (selection)

<b>a16z</b>	Research Visitor	Invited speaker/guest to engage with crypto internship program	2025
<b>Rencontres Scientifiques</b>	Scientific Advisor	Founding member and scientific program creator	2025
<b>Entretiens de Royaumont</b>	Editorial Contributor	Live interviews of R Hoffman, A Mensch, M Levy, G Kasparov, H Vedrine	2023
<b>MD4SG</b>	Research Lead	Lead 20 researchers on the mathematics of governance	2021-2024

## Skills & Interest

<b>Computer Languages</b>	Python (preferred), R, SQL, HTML (experienced), JAVA, Matlab, CSS (basic)
<b>Human Languages</b>	French (native), English (fluent), Italian (used to be proficient), Spanish (basic)
<b>Human Activities</b>	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  $\alpha$ . First author contribution is marked with \*.

### Journal Papers

**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*

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

$\alpha$  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*

### Conference Papers

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*

$\alpha$  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*

### Expository Writing

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*

## Teaching

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

## Academic Service (selection)

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

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