

# MANON REVEL

AI & Society Researcher | Applied Mathematician

California



<https://manrev.github.io/manon/>

## Education

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

## Awards (selection)

|                                     |   |      |
|-------------------------------------|---|------|
| <b>AISST AI Safety Fellowship</b>   | Builds a community of Harvard AI Alignment Researchers    | 2024 |
| <b>Harvard Democracy Fellowship</b> | Rewards innovative and leading research at the Ash Center | 2022 |
| <b>Hammer Fellowship</b>            | Empowers promising first-year MIT IDSS PhD students       | 2019 |
| <b>Centrale Talent</b>              | Awards outstanding achievements of an BSc student         | 2017 |

## Experience

|  |  |                                    |
|--|--|------------------------------------|
| <b>Google - DeepMind</b> ~ <i>Senior Research Scientist</i>  |  | <i>Sunnyvale, CA</i>               |
| • Lead quantitative research on human-AI interactions  |  | Aug.25-Now                         |
| <b>Meta - FAIR Labs</b> ~ <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                    |  |                                    |
| <b>Harvard Law School - Berkman Klein Center</b> ~ <i>Research Affiliate (since Sep.24) &amp; 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          |  |                                    |
| <b>Responsible AI Institute</b> ~ <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                      |
| <b>MIT - Institute for Data, Systems, and Society</b> ~ <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 |  |                                    |
| <b>Palantir Technologies</b> ~ <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                        |
| <b>Aerospacelab</b> ~ <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                        |
| <b>Center for Strategic and International Studies</b> ~ <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                        |
| <b>Nokia Bell Labs</b> ~ <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] <b>France Télévision</b>         | <i>13h15 le Dimanche: L'homme à la Machine</i>                                      | Feb.25 |
| [Book] <b>Munther Dahleh</b>          | <i>Data, Systems and Society: Harnessing AI for Societal Good</i> , Cambridge Press | Apr.25 |
| [Social Media] <b>CentraleSupélec</b> | <i>Maths rescuing democracy +100,000 views across social media</i>                  | Feb.22 |
| [Online Media] <b>IDSS News</b>       | <i>Aligning Decision-Making Processes with Democratic Values</i>                    | Apr.23 |
| [Online Journal] <b>MIT News</b>      | <i>Understanding how people make sense of information in the information age</i>    | Nov.20 |
| [Online Journal] <b>MIT News</b>      | <i>Combining artificial intelligence with their passions</i>                        | Aug.19 |

## Service & Leadership (selection)

|                                 |                           |  |           |
|---------------------------------|---------------------------|--|-----------|
| <b>Rencontres Scientifiques</b> | <i>Scientific Advisor</i> | Founding member and scientific program creator               | 2025      |
| <b>Entretiens de Royaumont</b>  | <i>Editorial Advisor</i>  | Live interview of Reid Hoffman, Arthur Mensch & Maurice Levy | 2023      |
| <b>MD4SG</b>                    | <i>Research Lead</i>      | 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 \*.

**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*

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*

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

|                              |                           |   |               |
|------------------------------|---------------------------|---|---------------|
| <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     |

## Speaker (selection)

---

|  |        |
|--|--------|
| <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>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 |