

Education

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| 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)

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| AISST AI Safety Fellowship | Builds a community of Harvard AI Alignment Researchers | 2024 |
| 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

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| Google - DeepMind ~ Senior Research Scientist | | Sunnyvale, CA |
| • Lead quantitative research on human-AI interactions | | Aug.25-Now |
| Meta - FAIR Labs ~ 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 | | |
| Harvard Law School - Berkman Klein Center ~ 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 | | |
| Responsible AI Institute ~ Research Scientist | | Remote |
| • 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 ~ 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 | | |
| Palantir Technologies ~ 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 |
| AerospaceLab ~ 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 |
| Center for Strategic and International Studies ~ Policy Research Intern | | Washington, DC |
| • Investigated AI regulation's impact on people's relation to information for policy-makers | | May.-Aug.18 |
| Nokia Bell Labs ~ 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)

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

Service & Leadership (selection)

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| Rencontres Scientifiques | Scientific Advisor | Founding member and scientific program creator | 2025 |
| Entretiens de Royaumont | Editorial Advisor | Live interview of Reid Hoffman, Arthur Mensch & Maurice Levy | 2023 |
| MD4SG | Research Lead | Lead 20 researchers on the mathematics of governance | 2021-2024 |

Skills & Interest

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| 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 *.

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*

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*

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*

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*

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

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

Academic Service (selection)

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

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| 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 |
| 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 Workop - 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 Veldrine 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 |